

## NEW RECONSTRUCTION OF PHYSIOGNOMY OF *SINANTHROPUS* WOMAN

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Two kinds of reconstructions of the physiognomy of *Sinanthropus pekinensis* are available at present. One is made by Weidenreich in 1943 and the other by Gerasimoff in 1939. They show different appearances.

The former reconstruction was based on Skull XI which is one of the most complete calvariae and the upper jaw No. III, probably belonging to the skull and the lower jaw, Mandible HI which is closest to the maxilla in size. The latter reconstruction was based on Skull II (may be a mistake of Skull III) and certain facial fragments. As Weidenreich was in possession of all actual specimens of *Sinanthropus* at that time and he had better advantages to reconstruct a complete skull, the present writers believe that the skull restored by him was more accurate.

We used the skull reconstructed by Weidenreich as a basis, but modified the thickness of the soft parts added to it (see Table 1).

Our new reconstruction of *Sinanthropus* differs from that of Weidenreich by the

**Table 1 Thickness of soft parts of the reconstructed head of a  
*Sinanthropus* woman (in mm)**

Region	Weidenreich	Present Authors
Glabella	6.0	7.0
Nasion	6.0	7.0
Rhinion	3.0	3.0
Akanthion	15.0	15.0
"Philtrum"	11.0	12.0
Incision	9.0	10.0
Chin	11.5	11.5
Gnathion	7.5	7.5
Eyebrow, middle	6.0	6.0
Base of the mandible in front of masseter	8.0	8.0
Zygion	8.0	8.0
Middle of ramus of mandible	21.0	27.0
Gonion	13.5	15.0
Frontomalare temporale	7.0	7.0

following features: Both upper and lower parts of the face are larger in breadth. The external corner of the eyeslit slants slightly downward instead of upward as in Weidenreich's specimen. The nose, with more distinct nasal tip, is broader but more flattened at the alar region. The nasal root is narrower. The lips are thinner. The hairline is higher and the undulating of the hair is rather definite. Weidenreich's reconstruction looks like a maiden, while ours gives one an impression of a middle-aged woman, which is closer to the skeletal basis in age.

### References

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### EXPLANATION OF PLATE

Reconstruction of the head of a *Sinanthropus* woman

A. Frontal view, B. Lateral view.

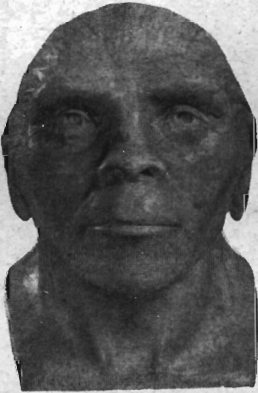
1. by Gerasimoff;
2. by Weidenreich;
3. by the present authors.



A1



B1



A2



B2



A3



B3