

distinction from the ass, which Major thinks he has found, stands on a very weak foundation.

*Proximal part of the cuboideum.*—Major states that in *Hipparion* the forward part of the articulation surface is similar to the posterior part; that in *Equus stenonis* the narrowest place in the forward part is equal to the widest of the posterior part; that in the Quaternary horses the forward part has somewhat increased; that in recent horses the posterior articulating surface sometimes disappears and the forward one is broadened; and that in the ass both surfaces are very narrow, the posterior being the narrower. Judging by Major's illustrations (plate VI, figs. 26, 36), our Anau horse resembles an ass in the size of the forward articulating surface, but in the posterior surface is quite like the Quaternary horse of Cardamone. In *Equus przewalskii* the forward part is wider, the posterior narrower.

*Inner side of the cuboideum.*—Here there is nothing to say in opposition to Major and the Anau horse is wholly like that of Cardamone.

Table of dimensions and percentages.

Cuboideum.	<i>Equus pumPELLii.</i>		<i>Equus asinus.</i>		Hipparion.		<i>Equus przewalskii.</i>	
	mm.	P. ct.	mm.	P. ct.	mm.	P. ct.	mm.	P. ct.
Length of bone.....	31	100	37.5	100	30.5	100	31	100
Longitudinal diameter of facet for metatarsus medius.....	8	26	9	24	7	23	11	35.5
Transverse diameter of same.....	7	23	6.5	17.3	6.5	21	10.5	34
Longitudinal diameter of facet for metatarsus externus.....	17	55	15	40	17	56	20	64
Transverse diameter of same.....	7	23	8	21.3	9.5	31	7	23
Width on smallest part.....	3	..	..	..	6	..	..	..
Cuboideum.	Solutré.		Cardamone.		<i>Equus stenonis.</i>		Recent horse.	
	mm.	P. ct.	mm.	P. ct.	mm.	P. ct.	mm.	P. ct.
Length of bone.....	38	100	45	100	40.5	100	40.5	100
Longitudinal diameter of facet for metatarsus medius.....	12	31	14	31	12	29	16	39.5
Transverse diameter of same.....	10.5	27	12.5	27.7	9.5	23.4	13.5	33
Longitudinal diameter of facet for metatarsus externus.....	24	63	25.5	57	20	50	20.5	50
Transverse diameter of same.....	10	26.3	11	26.8	11	27	10.5	26
Width on smallest part.....	7	..	6	..	8.5	..	5	..

More important is the *distal articulation surface of the cuboideum*. The small joint for the metatarsus medius possessed by *Paleotherium minus* and *Anchitherium*, but enlarged in the genus *Hipparion* and in horses, is in the Anau horse uncommonly small, in *absolute* measurement smaller even than in the ass, and approaches wholly in dimensions the *Hipparions* of Mt. Léberon. This dimension is greater in *Equus przewalskii*. Nevertheless, the *relative* dimensions show that the Anau horse stands midway between *Equus asinus* and *Equus stenonis*, and that *Equus przewalskii* even surpasses the recent horses in the size of these dimensions.

While in many recent horses and in *Equus przewalskii* the forward part of the facet for the metatarsus externus is separated from the posterior part, there is no breach of continuity in *Equus pumPELLii* nor in the horses of Solutré and Cardamone. The narrowest place in the articulating surface for metatarsus externus—