the first to explain, in a manner as plausible as it was scientific and accurate, the cause of the difference of form of these bones. According to him, the slenderness or thickness of this bone is traceable back to *mechanical* effects of use, aided naturally by nourishment and climate.* According to the view we have already developed in our special instance of the Anau horse the increasing slenderness of the bones, as the culture-strata grow in height, must be traced back to the increase of desert conditions and the use of the animal for rapid work. It is encouraging and confirmatory of our separate conceptions that our conclusions so agree, although so differently deduced.

On account of the special importance of this bone I repeat here all its dimensions in comparison with a series of other horses of European localities.

Table of dimensions.

Ossa metacarpi medii.	Length.		Width.			Diameter.			Index.
	Greatest.	Exterior side.	Proximal part.	Median.	Distal.	Proximal.	Median.	Distal.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	
Anau:									
—21 ft	228	220	47	29	42	31	22	32	12.8
—15 ft	....	....	....	....	41	....	....	30	....
+ 8 ft	....	....	....	31	44	....	24	32	....
+33 ft	220	....	44	27	40	30	....	28	12.3
Gross Czernosek (La Tène)	198	192	44	27	42	30	21	31	13.6
Hostomitz (bronze time)	200	191	46	29	45	30	28	34	14.5
Stankowitz (La Tène)	216	206	46	30	46	29	21	34	14.0
Couvres (?)	214	....	54	34	50	35	29	38	15 8
Curchy (?)	216	....	48	39	50	32	27	32	18.0
Louverné neolithic (?)	217	....	50	38	50	32	28	28	17.7
Cindré (paleolithic)	219	....	60	42	50	37	29	32	19.2
Fouvent (neolithic)	217	....	52	40	50	32	27	32	18.4
Equus przewalskii Salenski	215	206	48	32	44	....	....	....	14.8
Equus przewalskii juv. Bern, Kraemer	204	....	....	29	....	....	....	....	14.2
Solutré, Bern	218	211	49	35	48	33	25	36	16.0
Wohontsch a. Biela (neolithic)	220	213	49	31	46	31	21	33	14.0
Leitmeritz, A. (neolithic)	223	213	44	31	47	30	22	32	13.9
Solutré, Bern	220	210	50	36	48	33	25	37	16.3
	224	214	50	35	47	32	23	33	15.6
Schlossberg (iron age)	222	213	49	34	49	33	27	33	15.3
Vindonissa:									
Amphitheater	226	218	47	30	43	31	21	31	13.2
Amphitheater	227	219	49	32	47	31	23	35	14.0
Castrum	228	217	50	32	47	33	23	35	14.0
Castrum	230	220	49	30	48	36	22	34	13.4
Castrum	230	220	52	32	49	33	23	35	13.4
Castrum	230	221	48	32	49	32	22	35	13.4
Westeregeln, Nehring (diluvial)	235	225	57	41	55	....	....	....	17.4
Rixdorf, Nehring (diluvial)	249	....	59	44	56	....	....	....	17.6

This comparative table shows distinctly the relation already noticed in the bones of the other extremities, that the horse of Anau agrees remarkably well with those of the European bronze age and of the later La Tene phase of the iron age. It shows, however, further, that among the horses of Solutré there occur adult

*H. Kraemer, Zur Frage der Knochenstärke der Pferde. Deutsche Landw. Tierzucht, 1904, VIII, Nos. 28 and 31.