cnemism, and he gives a figure of such a tibia (1888, p. 506). A measurement on this reduced picture can, of course, give no exact result, still the corresponding index seems to amount to 3.5. The two Wedda tibiæ Nos. 178 and 179, on plate LXXXII of the frequently mentioned work of Sarasin, yield indices of 3.5 and 4.7. In contrast to these values the curvature of the Anau tibia must be considered moderate.

A further character of great importance exists on the anterior edge of the

lower joint-surface, where this goes over into the anterior surface of the bone. In European shin bones a sharp edge usually separates the joint-surface from the anterior surface of the tibia. In our tibia, on the other hand, the joint-surface extends in one place over the just-mentioned edge, and makes on the anterior surface of the tibia a small facet whose condition shows clearly that it was originally covered with cartilage (plate 95, fig. 3, a). At this point the edge, instead of being sharp, is rounded softly off. On the right tibia the facet is less large, but it is still clearly present. The difference in the form of the joint-surface from that of a European is best recognized in a sagittal section that wire through the place of the facet (fig. 495, c and d).

This characteristic has been found among different lower (1905, p. 635).

trochlea swelling trochleaswelling

was drawn with the aid of a lead Fig. 495.—(a) Sagittal section of joint surface of condylus lateralis tibiae from Anau I. (b) Same section from a European tibia. (c) Sagittal section through lower joint-section of left tibia through facet, Anau I; thick line marks cartilage cover. (d) Same section through European tibia. (e) Sagittal section through medial edge of trochlea and medial neck-swelling. (f) Sagittal section through trochlea and lateral neck-swelling.

races, and also in anthropoids; thus by Thomson (1890, p. 213) in the gorilla, orang, and in the Weddas; by Martin in the Fuegians (1894, p. 198) and Senoi

The occurrence was already rightly interpreted by its first observer, Thomson (1889, p. 624), who sought the cause of this facet in frequent strong dorsal flexure of the foot which occurs especially in a squatting position. Let us look a little more closely into the mechanism of the object before us.

As one can see in a skeleton, in strong dorsal flexure of the foot the talus presses with the anterior upper surface of its neck on the forward edge of the jointsurface of the tibia. In this action it is especially the medial and lateral edges