

No. 4

British Museum East Africa Expedition
Tendaguru via Lindi, Tanganyika.
29th. June, 1930.

The Director,
British Museum (Natural History)

Sir,

Since my last report No. 3, the excavation of dinosaur M.23 has proceeded, and further bones have been found. They include the right ilium, two humeri (one incomplete), a tooth with a slightly serrated inner edge, and a very small caudal vertebra. Being all on one side of the skeleton they perhaps give the direction in which to search. The lower limb bones have still to be found.

This dinosaur may be figured as of giraffe shape. It lies on the ground much as it stood. It was about 18 to 20 feet high at the shoulder, and about 12 feet at the hind quarters. Its neck, carried almost vertically, may have been over 25 feet long. The found cervical vertebrae give 20 feet. Its head would be large as the tooth found is $6\frac{1}{2}$ inches long, $2\frac{1}{2}$ wide, and $5\frac{1}{2}$ for a little more, maximum circumference. The vertebrae are of light build, and none of the bones though large are of heavy build.

There is unfortunately a bad break-up at the sacrum. The right ilium, however, (from underneath) has been found in good condition, and some uncertain pieces of bone from on top no doubt represent the other ilium. What was at first thought to be an ilium was lying apart. It was in good condition, but the last found is a different shape. The identity of the earlier bone is therefore doubtful, and it may belong to another skeleton, which has drifted in. The identity of part of a small pubis seems assured, but the ischia are doubtful. The sacral region was nearest the surface and has therefore suffered most damage.

Another feature I may mention is the large number of tendons belonging to the very large cervical vertebrae. One with an elongated triangular head is $97\frac{1}{2}$ inches long.

I give some additional measurements of bones.

Humerus $57\frac{1}{2}$ long, 20" max. width.

Ilium $38\frac{1}{2}$ by 31".

Supposed ilium $26\frac{1}{2}$ by 25"

First cervical vertebra 32" long by 44" high.

Third ditto. 47" long.

Fifth dorsal vert. 11" long by 38" from mid. centrum to end spine.

I shall get out all exposed bones and endeavour to leave here the first week in August.