

## REFERENCES

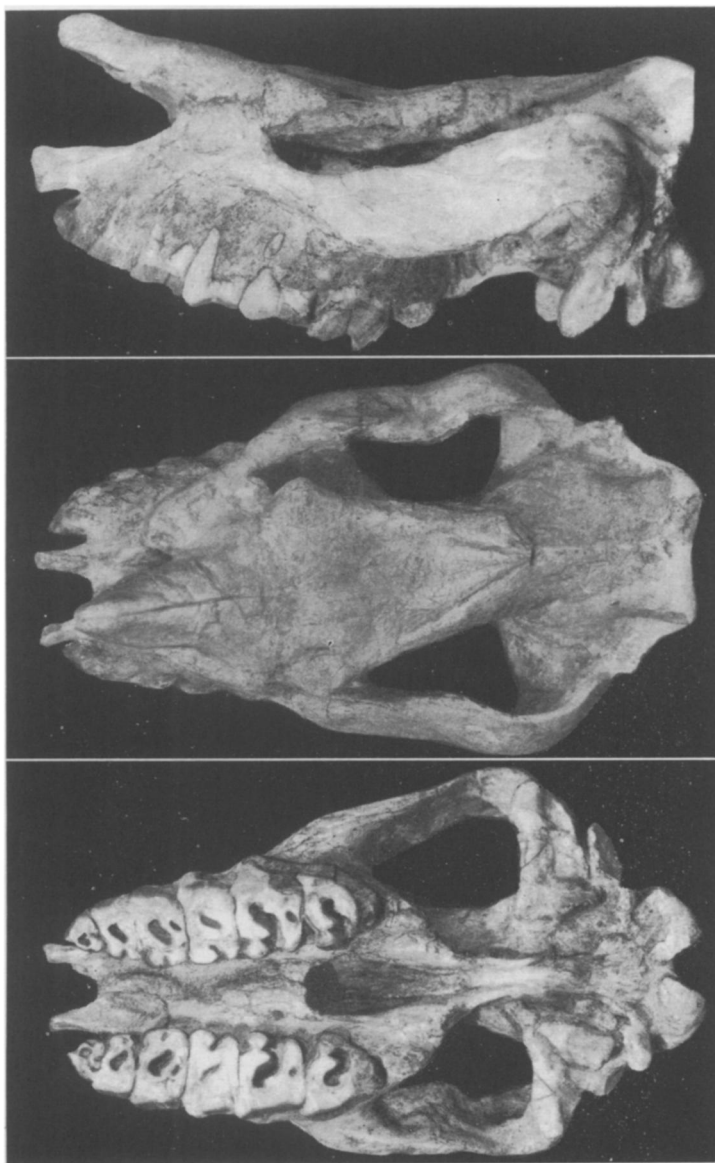
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## A Skull of *Teleoceras fossiger* Cope, from the Clarendon Beds of Donley County, Texas

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During the spring and summer of 1935 the West Texas State Teachers College, in cooperation with the Federal Relief Administration maintained a field party at Clarendon, Texas. The work was devoted entirely to the collection of vertebrate paleontological material of Lower Pliocene age. Most of the collecting was done in a quarry located on what is known as Spade Flats, on the Lewis Ranch, about twenty-four miles northeast of Clarendon. The project was under the supervision of Mr. Will Chamberlain, directed by the author. Much fine material was collected, all of which was placed in the Panhandle Plains Historical Society Museum at Canyon, Texas. Among other specimens collected was the almost perfect skull of *Teleoceras fossiger* Cope. This form is fairly well known from numerous skulls, and the description of a complete skeleton by Osborn (1898). However, there is considerable variation and it is considered worthwhile to add any data possible to our knowledge of its generic and specific characters.



Figs. 1, 2, and 3, lateral, dorsal, and palatal views of *Teleoceras fossiger* Cope. 1/6 natural size.

## MEASUREMENTS:

Length of skull from occipital condyles to end of nasals. -----	541	mm.
Breadth of skull opposite M3 -----	277	
Greatest breadth across the zygomatic arches -----	323	mm.
Height of zygomatic arch -----	85	
Breadth of frontals between the postorbital processes -----	174	
Length of sagittal crest from the intersection of the temporal impressions to the beginning of the lambdoidal crest -----	100	
From anterior end of nasals to intersection of temporal impressions -----	363	
Breadth of lambdoidal crest -----	80	
Width of skull 10 mm. below anterior edge of orbits -----	185	
Length of temporal impressions from their intersection to postorbital processes -----	190	
Breadth of cranium opposite intersection of temporal impressions -----	94	
Height of skull from ventral side of occipital condyles to dorsal edge of lambdoidal crest -----	207	
Vertical diameter of orbit -----	49	
Anterior edge of orbit to anterior edge of nasals -----	168	
Length of palate -----	181	
Breadth of palate opposite anterior edge of M2 -----	71	
Greatest breadth of postpalatal notch -----	44	
Depth of postpalatal notch -----	132	
Breadth of occipital condyles -----	139	
Between occipital condyles at middle of foramen magnum -----	59	
Length of dental series -----	264	

## DENTAL MEASUREMENTS:

	P1	P2	P3	M1	M2	M3	
Length -----	31	32	43	40	53	60	mm.
Breadth -----	31	46	59	62	70	78	mm.

As shown in the photographs there is some slight distortion in the skull, particularly on the right side. Otherwise it is practically in perfect condition, and such restoration as it has received is negligible, and has not influenced in any way the above measurements.

As pointed out by Matthew (1932) there is considerable variation in the craniometry of the Rhinocerotidae. It is the author's opinion that the limits of these variations can only be defined, and the specific and generic characters of a form determined through the careful study of as large a body of data as possible. Toward this end the above notes on *Teleoceras fossiger* Cope are submitted.

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