

Hermiston, have been found *Elephas columbi* and a vertebra of a camel. The level at the "Drop" is 550 feet; that along the Umatilla where the skull appears to have been found is about 450 or 500.

In 1901 (Bull. Dept. Geol. Univ. Calif., vol. II, p. 313), Dr. John C. Merriam reported that in terrace deposits along John Day River had been found at several localities remains of *Elephas* and *Equus*. Exact localities were not recorded but they were probably in Grant County.

WASHINGTON

(Map 9)

Pleasant View, Walla Walla County (1)—In his work *The Two Islands* (on page 140), Professor Thomas Condon reported the finding of the distal end of a radius of a horse north of Touchet River. The bone was figured on his plate xxiii. It had the size of the same bone in a good-sized dray horse. The locality appears to be 15 miles north of the crossing of the Touchet River, on the way from Walla Walla to "Palouse Landing," on Snake River. The bone was found in a well at a depth of 86 feet. Condon stated that the whole region from the Touchet is nearly level, and he concluded that a lake about 30 miles wide had formerly occupied that region.

From Professor H. S. Brode, of Whitman College, the writer learns that this road evidently was located in Walla Walla County. A well, 15 miles north of the crossing of Touchet River, was probably in township 12 north, range 36 east, not far from Pleasant View.

Township 12 North, Range 33 East, Franklin County (2)—On a page of those devoted to descriptions of *Elephas columbi* in Washington is an account of the discovery of a specimen in the township designated above. A fragment of a tooth of a horse was found within about 50 yards of the spot where the elephant was exhumed. Both specimens were in the same kind of deposit and on the same level. The horse is not determined specifically.

Delight, Adams County (3)—In 1889 (Amer. Nat., vol. xxiii, p. 162, Feb.), Professor E. D. Cope published a list of fossil mammals which had been found, as he wrote, at some point in Whitman County, Washington. As the writer has been informed by Charles H. Sternberg the locality is near Delight, Adams County, 12 miles directly north of Washtucna Lake. In his list Cope included one species of horse which he left unnamed specifically. In 1902 (Bull. Amer. Mus. Nat. Hist., vol. xvi, p. 321), Dr. W. D. Matthew revised Cope's list and recognized only one species of *Equus*, and this was not specifically named. The writer at one time examined the collection and found that two species of horses are present. One of these is a large one, probably *Equus pacificus*; the other is much smaller.

In the U. S. National Museum are some bones of horses from Delight which were presented by the widow of Dr. G. M. Sternberg. Two astragali (Cat. Nos. 9720, 9722) indicate a large horse; another (Cat. No. 9721), a much smaller one. To probably the same small horse belonged a symphysis of the lower jaw with worn incisors and canines just protruding.

White Bluffs, Benton and Franklin Counties (4)—In 1917 (Bull. Dept. Geol. Univ. Calif., vol. x, pp. 255-264), Merriam and Buwalda gave an account