not correlate either the older or the younger glacial stages with any of those now recognized by geologists.

In his discussion of the age of Lake Bonneville, Gilbert referred to the numerous mollusks and the few vertebrates which had been found in the deposits. The vertebrate remains appear to be limited to a musk-ox found in an uncertain locality at Salt Lake City; to remains of a bison and of a supposed reindeer at some undesignated locality; and to proboscidean bones found in a post-Bonneville marsh near the eastern shore of Utah Lake. However, he cited remains found in Lake Lahontan in deposits believed to be of age corresponding to the Upper Bonneville. These fossils included bones of a proboscidean, a horse, an ox (bison) and a lama. The discovery of one or two species of *Equus*, of a camel, and of a large cat at Astor Pass is mentioned on page 62. Gilbert also regarded as of the same geological age the vertebrate remains found at Fossil Lake, Oregon. He noted the fact that both Cope and Marsh had referred the Oregon fossils to the Pliocene. Gilbert's discussion of these fossils and his conclusions are found in Monograph I of the U. S. Geological Survey, on pages 394, 395. He demonstrated the fact that these faunas belong to the Pleistocene, and this conclusion has been accepted by palaeontologists generally. Gilbert's association of the Upper Bonneville with the later glacial advance in that region drove him to the conclusion that the Lahontan and Fossil Lake faunas belonged to the late Pleistocene. Probably few vertebrate palaeontologists would now admit the correctness of this conclusion. The writer holds that the beds containing the remains of camels and horses belong probably in the first interglacial stage, the Aftonian; although it is not impossible that camels went to their extinction during the Kansan stage. It must be mentioned here that Clarence King (U. S. Geol. Explor. 40th Parallel, Syst. Geol. vol. I, pp. 488-529) agreed in general with the results obtained by Gilbert.

Great Salt Lake beds		Recent
Stansbury	Second glacial stage of Gilbert	Wisconsin
Provo		Iowan
Unrecorded glacial stage		Illinoian
Upper Bonneville beds (White marls)	Unrecorded glacial stage	Kansan
Inter-Bonneville alluvium		Aftonian
Lower Bonneville beds (Yellow clays)	First glacial stage of Gilbert	Nebraskan
Pre-Bonneville		Pliocene?