

Localities at Gas Point post office and on Roaring river, not far distant, yielded the following:

Ammonites chicoensis, Trask.

Torritella scriatim-granulata, Gabb, not Roemer.

Nucula truncata, Gabb.

On the Cold fork of Cottonwood creek the following collection was obtained:

Baculites chicoensis, Trask.

Cucullaea truncata, Gabb.

Belonites impressus, Gabb.

Pecten traskii, " (?)

Neptunca hoffmanni, "

Ostrea.

Nucula truncata, "

Terebratulella obesa, "

Two of these species are common to Horsetown and Texas springs.

Going a few miles farther southward, the first important localities are on Elder creek, on the lip of one of Mr Diller's measured sections. Near Lowry's and at other places farther westward specimens of *Cucullaea piachii*, Gabb, were obtained, while a higher horizon about two miles east of Lowry's yielded the following species:

Gyrodes crearata (Michelin), Whit-
eaves.

Venus lenticularis, Gabb.

Lamotia.

Tellina parilis, "

Anchura californica, Gabb.

Tellina ashburneri, "

Dentalium stramineum, "

Cucullaea truncata, "

Thetis annulata, "

Astarte couradiana, " (?)

Chione varians, "

Pecten operculiformis, "

Aricula.

This lot shows a greater difference than any of the others, although it contains at least four species enumerated from other localities above given.

Sufficient evidence has therefore been presented to show that all the species from the several localities mentioned very probably belong to one fauna.

Near Redding, on Sacramento river, a large number of species were collected, many of which were not obtained at any of the above localities, but the presence there of such forms as *Cucullaea truncata*, *Trigonia crassana*, *Pecten operculiformis*, *Cochlea traskii*, etc, make it probable that the beds belong to the same continuous series, though they may represent a somewhat higher horizon.

Collections from several localities in Oregon that have always been referred to the Chico formation, such as Crooked river, Siskiyou moun-