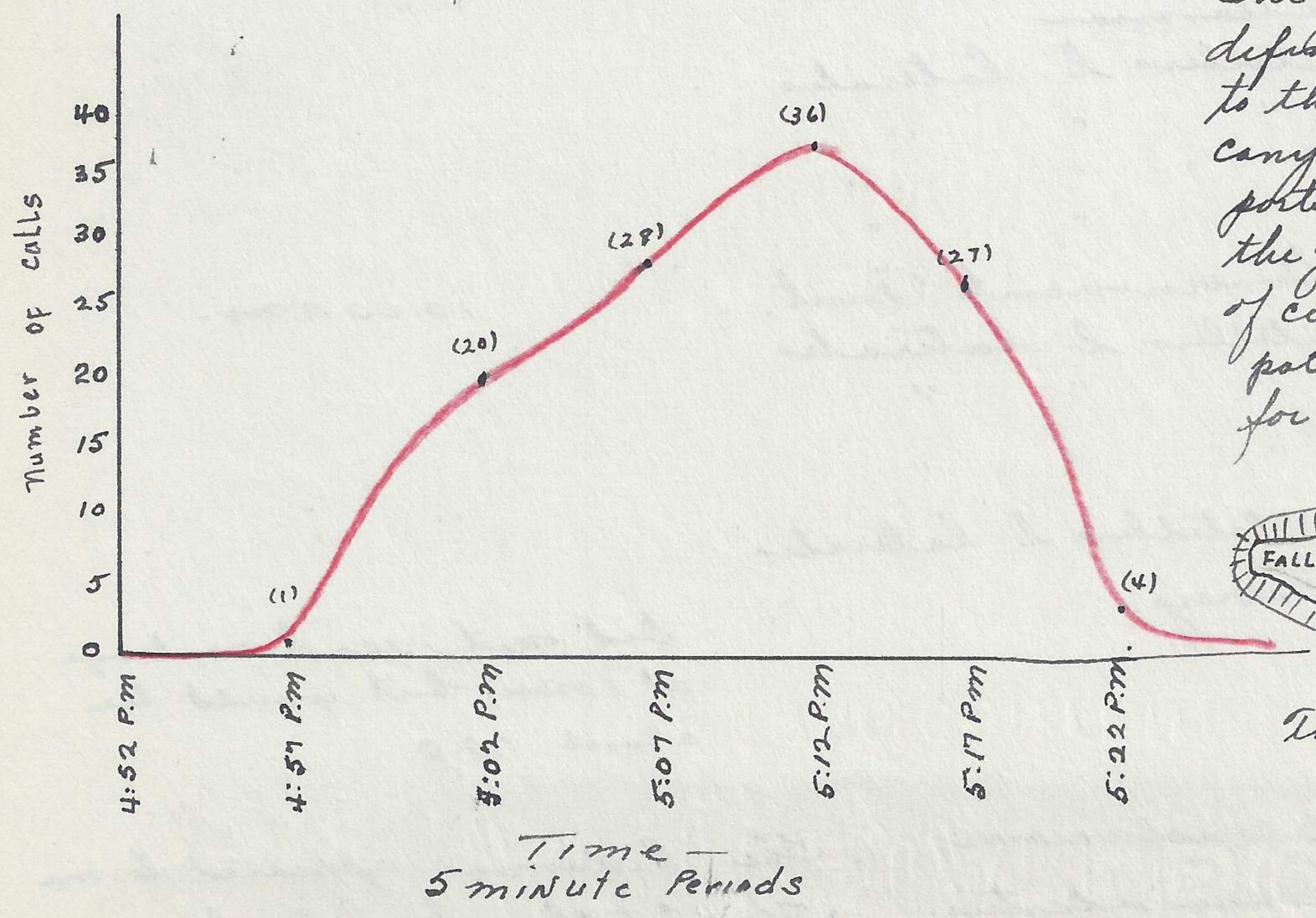


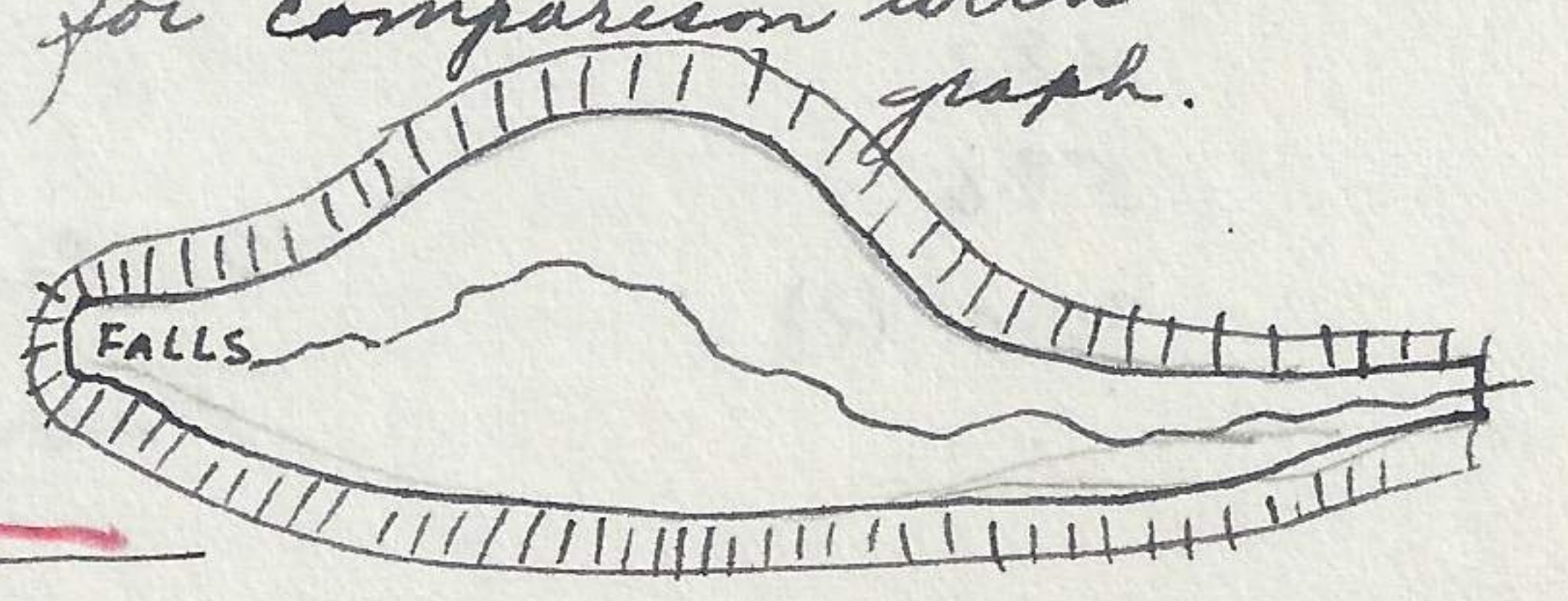
distance were they found below the lower level of the very definite pine zone. Rather peculiar that they should be seen more frequently on the west side of the Aquarius and decidedly lacking in numbers on the east side of mountain. The higher elevation of the east end may be a factor, however they are found distributed throughout the Canadian zone. From government point to Posey Lake a distance of 43.2 miles the *Citellus l. lateralis* were found on an average of ~~58~~⁵⁸⁺ to a mile while from Government Point to Torrey a distance of 30 miles (approx) they were found on an average of 16+ to a mile. The longest stretch lacking *Citellus* was. 10.4 miles while the closest association other than when seen in pairs was less than 1 block apart. The *Onychomys* ranged lower than the *Citellus*. 7 were seen in all. This above observation record is possibly the minimum number to be seen on trip of this kind because driving and looking at panorama below required important time that should be devoted to a more careful scrutiny for the mammal forms.

7/24/38.

Recorded the calls of *Citellus armatus* from Stewarts Cascade on mt. Timpanogas to M. T. A. Home. Included all calls whether duplicate or not. 30 minutes in field. and walk along at a normal gait.



The graph pattern definitely corresponds to the shape of the canyon. The widest portion supporting the greatest number of *Citellus*. Canyon pattern included for comparison with graph.



Total of 116 calls