

rapidly than others. Found another pika at brinks of last cirque. It called abnormal in warning call then normal.

1:00 Brinks of last cirque. Pika and *Citellus armatus* calling. Clark Crow calling from high peaks to north. A Goshawk (?) darted as it approached ridge. *Citellus armatus* calling like a blackbird from ridge to north among fir trees. *Citellus* also calling from open places to the south. Hummer called. Cold enough to see ones own respiration. Leaving last cirque at 1:12 P.M. and plan on going up hillside to the north. Pika in furs. Rocks generally tilted. Found *Artemisia, fuchsiana*. Pika in last main slide, probably many others. Arrived at divide at 1:30 and can now see down into cirque at head of a lateral from Stewart Canyon. Salitairs calling at divide. Also a *Citellus* was in evidence. A Clark crow was rather surprised at my presence and did not call but worked slowly away from divide. A flicker called at divide. Snow remanent of cornice 8 feet high, measured at lowest point on this divide. Numerous droppings of the Dusky grouse, near crest of ridge proper. Cut. mumm. cones (?) had been feeding on Douglas fir cone, at divide. Marmot tracks in snow here. 2 other cut m. observed. From here went north along ridge to north peak. Arrived at ^{highest} point at 2:15. From the top took 2-5-17-39 3-5-17-39 4-5-17-39 three pictures



0-5-17-39
(enlargement p. 45.1)



3-5-17-39
5



4-5-17-39

showing the somewhat perceptuous walls of Timpanogas and the general snow condition of the cirque at this time of year. These three pictures are panoramic in nature and can be put together to form a complete picture. Considerable snow still remains in cirque. Could see that the clouds were lifting so tarried near the top of this ridge. Visited the end of the ridge to the north and peered down