

and just as I raised above rocks it passed down into rocks. Waited 2 hours and marmot did not reappear. Walked over to den among large boulders and heard it directly below. It called as long as I remain near den. Returned to camp and did not hear the marmot again. The second animal, hit by .22 some few days ago did not appear and must have died leaving only the one. Temp. midnite  $44^{\circ}\text{F}$ , min  $42^{\circ}\text{F}$ , max.  $52^{\circ}\text{F}$ .

Aug. 12, 1952.

Rained last night and today. Collected following grasses along drainage creeks flowing across the alluvium at camp. No 520812-1 and its various life forms from edge of creeks and on islands, where it is in many cases the dominant grass, *Arctagrostis latifolia* (R. Br.) Presib. This grass, wherever it occurs, gives adequate overhead protection for Lemmus and micratus musurus. Grass no 520812-2 *Poa arctica* R. Br., associated with *Arctagrostis* l. but not dominant. The sedge 520812-3 *Carex podocarpa* R. Br. is generally distributed in damp situations. No mammals in 30 traps set in Refugia Cove but there are a few trails there. Water is flooding nearly all inhabitable areas of this cove. About 24 Cottids (fish) in small spring traversing the marsh of the cove. Occasional rock falling from n. e. exposure of mt. Mary and on east side of canyon because of excessive moisture from rain. Caught a lake trout ♀ which came out of water as a normal colored fish but with extra greenish back and when exposed for 3 minutes in the air it changed to a ghostly white, losing the black dots and green back. Other lake trout have partially changed color but not as dramatically or so completely as this one. Snow down 300 feet in glacier fields. Since the ♀ short-billed gull and one of its young have been collected, the ♂ and other young have remained in area at south end of Lake Peters and tonight are active at 9:00 P.M. No sandpipers and only one semipalmated plover present. Heard raven up canyon this A.M. Rain started at 4:00 A.M. & continued to 12:00 noon after which rained intermittently until 7:00 P.M. Water now running out of most dry gulches and from all canyons originating on mt. Mary. The dry gulch SE of camp on east side of canyon with a wide conspicuous ribbon of water from its head source to main river but not of proportions to cause mud flows which have occurred in the past and sent