

3/10 mi. W Cameron Pass, 10320 ft., Jackson Co., Colorado

July 17, 1975

min temp. 44° F

From line of 50 traps set on hillside of Engelmann spruce caught:

<u>750717-1</u>	<i>Eutamias</i>	210-95-30-16-57gms ♀ wt normal
<u>750717-2</u>	"	185-82-29-14-40gms ♂ testes 5mm
<u>750717-3</u>	"	204-88-29-14-50gms ♀ ^{wt normal} suckling
<u>750717-4</u>	<i>Phenacomys intermedius</i>	155-36-18-15-39gms ♀ 2x2 plac. scars
<u>750717-5</u>	" "	138-32-18-15-34gms ♂ testes 8mm
<u>750717-6</u>	<i>Eutamias</i>	193-84-31-14-41gms ♂ testes 7mm
<u>750717-7</u>	"	215-98-32-15-50gms ♀ wt. normal.
<u>750717-8</u>	<i>Clethrionomys gapperi</i>	158-49-19-14-32gms ♀ wt enlarged
<u>750717-9</u>	" "	157-46-19-14-31gms ♀ 4x3 plac scars
<u>750717-10</u>	" "	147-43-19-14-26gms ♂ testes 11mm
<u>750717-11</u>	" "	147-43-18-13-26gms. ♀ 2x3 emb plac. scars.
<u>750717-12</u>	" "	152-42-18.5-14-30gms ♀ 2x6 emb. 9mm
<u>750717-13</u>	" "	143-40-19-14-26gms ♂ testes 12mm
<u>750717-14</u>	" "	154-47-19-14-28gms ♂ testes 12mm
<u>750717-15</u>	" "	148-45-19-14-26gms ♂ testes 11mm

most of the above mammals were from Engelmann spruce forest or bases of large trees. from under or associated with logs on ground. The *Phenacomys* ④ was from side of dead log near running water. and ③ from base of old tree. Birds in area: Rocky mt Canada Jay, robin, gray headed junco, white-crowned sparrow, raven, a warbler, thrush. The robin is the most common bird, the young of one family with tail approx. 1 inch long, others with tail near length of adults. Deer tracks approx 10 per 200' of road edge where deer cross divide. The west slope is the best area to recover from the melting snow. I would expect that there would be a greater number of mammals here than elsewhere because of the areas of snow occupying normal mammal territories. Some snow patches at base of slope are 40' x 20'. All marshes on divide or flatter country are supersaturated with spring like melting and although old winter nests are observed, ^{there are} very few sign of microtines in the damp meadows.

Individual checking recordings showed me a chart for the last week which indicated a gradual decrease in amount of water to yesterday and then a very abrupt rise, ^{yesterday and} last night from rains. The daily fluctuations show more runoff in day than at night. The canal that carries water from several cirques on the west side of the mountain range toward the Rocky mt. National Park is directed into the Cache la Poudre River drainage, which needless to say has completely upset the ecology of the two or more drainage systems. Yesterday the water was murky, today it is clear. Erosion of canal banks cause turbidity.