

on population numbers. Traps set (reset) mar 1 are still under the snow and all completely hidden from view. Rabbit no 7-3-13-48 in very poor condition. no 8-3-13-48 with conspicuous hydroceles. no. 11-3-13-48 with small white patches on liver. no. 12-3-13-48 with 130 mm embryos. no 17-3-13-48 with 3x1 emb 95 mm long.

3 1/2 mi. SW Pleasant Grove, Douglas Co., Kansas

March 17, 1948

First opportunity to collect trap in research area 50-2-29-48, since covered with snow. These traps have been in field since the second of march and produced the following mammals.

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| 68 | <i>Peromyscus maniculatus</i> | |
| 75 | <i>Reithrodontomys</i> | completely eaten except bones. |
| 99 | <i>Microtus ochrogaster</i> | cleaned to the bones |
| 101 | <i>Peromyscus maniculatus</i> | recent catch within the last 2 days. |
| 114 | <i>Peromyscus maniculatus</i> | under water, untouched but old. |
| 115 | <i>Peromyscus maniculatus</i> | recent & untouched |
| 135 | " " | old & eaten |
| 151 | <i>Microtus ochrogaster</i> | old & completely eaten |
| 191 | " " | " " " " |
| 186 | <i>Peromyscus maniculatus</i> | fresh |

As all other traps were sprung by rain & snow the evidence is not too significant. Snow now gone except in protected exposures. all traps now in standing water. These traps were in bottomland among vegetation and while the area was standing in water it was not because of invading water from other areas but from melting of snows & rain in same area as trap, except in a small 1 foot wide channel running thru. On March 2, this part of the field was the most populated of the entire field, but today is abandoned. Drier slopes adjoined this area by about 20' distance.

Established research area A-3-17-48 on higher ground among dense matted grasses but paralleling the creek bottom by approx 40 feet intervening. Here the *Microtus* community had suffered but not to the extent of the lowlands where complete inundation occurred. In the new area A-3-17-48 the trails were wet and uninviting. Traps 1-267 in this linear research area. Traps placed 10' apart. Established research area B-3-17-48 in a small area of about 8x8 feet