

A-11-25-28 at 8:00 A.M. as follows: 12 *Sigmodon hispidus*, 1 *Peromyscus*, 2 *Microtus ochrogaster*. At 10:00 A.M. took 6 *Sigmodon* and 1 *Microtus ochrogaster*. At 12:00 noon took 7 *Sigmodon*. At 3:00 P.M. took 8 *Sigmodon*. At 10:00 P.M. took 10 *Sigmodon*, 3 *Peromyscus maniculatus* and 2 *Mus musculus*. Traps have been in same position and will so remain until the end of the collecting experiment.

1 1/2 mi. W and 2 mi. S Lawrence, Douglas Co., Kansas
Nov. 27, 1948

Inspected traps in research area A-11-25-48 as follows: Last night freezing. 1 dead *Mus*, 2 live and 1 dead *Microtus ochrogaster*, 3 dead and 1 live *Peromyscus maniculatus*, 1 live and 2 dead *Reithrodontomys*, 10 live *Sigmodon*. The *Sigmodon* resist cold better than small forms because of mass to surface ratio and heavier fur. The degree of ability to resist cold is as follows: *Sigmodon*, *Microtus ochrogaster*, *Peromyscus*, *Mus*, *Reithrodontomys* + *Cryptotis*. Just a few hours of exposure to low temperatures will kill *Reithro* and *Mus*.

1 1/2 mi. W and 2 mi. S Lawrence, Douglas Co., Kansas
Nov. 28, 1948

Inspected research area A-11-25-48 as follows: Did not inspect last evening. (rain & freezing). 2 live and 8 dead *Microtus ochrogaster*, 9 live & 6 dead *Sigmodon hispidus*, 1 live and 2 dead *Reithrodontomys*, 1 dead *Mus musculus*.

Measurements of above dead *Microtus ochrogaster*.

1-11-28-48	♂	<i>Microtus ochrogaster</i>	96-26-17.5-9-10 gms
2-11-28-48	♂	"	120-36-19-10-17 gms
3-11-28-48	♂	"	128-39-19-10-19 gms
4-11-28-48	♂	"	126-39-19.5-10-20 gms
5-11-28-48	♂	"	132-37-20-11-26 gms
6-11-28-48	♂	"	127-37-19.2-11-21 gms
7-11-28-48	♀	"	148-40-19-11-33 gms
8-11-28-48	♂	"	147-40-19-11-37 gms

It is interesting to note that there is an increase in *Microtus ochrogaster* after *Sigmodon* are first trapped out of area (or reduced)

At 7:00 P.M. collected the following mammals and pulled all traps. 8 live *Sigmodon hispidus*, 1 *Microtus ochrogaster*, 1 *Mus musculus*. On two consecutive nights I have flushed (10:00 P.M.) closely grouped bobwhites in same spot of field. They fly about 100 feet & then drop to ground.