

390912-226

at camp to be anything other than crystal clear, throughout all showers and rains. Therefore, in nature the waters, ^{and rains} when accumulating in normal amounts are taken care of by the humors of the soils etc. Whenever man has invaded one finds a different picture. The road in this canyon receives rains and issues them on down the grade until they accumulate in large muddy pools which fill the sides of the road and cover, in many places the entire road surface. At a point 100' down canyon from station 4 the road crosses the creek and the rain waters from the road are expelled from the road into the creek. At the point of issuance, the water is clear while below this point the creek is decidedly rocky and murky. All water from the road is collected as represented by the surface area of road, as no lateral streams enter onto the road. In other words, the only place water runs is where man has made it run. Still raining at 2:00 P.M. but momentarily subside only to start again at 2:20 P.M.

On return from trap inspection also observed a flock of gregarious birds consisting of 5 flickers, 3 robins, 12 audubon warblers and several grey ^{headed} juncos. They had a tendency to all move together. At camp a small flock of chickadees and kinglets also moved in unison. measurements and preparation of of mammals from research area A. 9-11-39 taken at 10:30 A.M. today.

- (16-9-12-39) *Clethrionomys* 128-37-18- ♀ 15grs. uterus normal
- (26-9-12-39) *Clethrionomys* 128-38-18- ♂ 20grs. testis 6 m.m.
- (25-9-12-39) *Clethrionomys* 113-34-17.8- ♀ 13grs. uterus normal.
- (17-9-12-39) *Clethrionomys* 122-37-18- ♂ 18grs. testis 2.6 m.m.
- (24-9-12-39) *Clethrionomys* 126-39-17.5-13grs. ♂ testis 4. m.m. The intestines gauged; eaten around jaws; eaten (meat) all along side of throat, lungs gone, heart eaten and part of thorax.
- (7-9-12-39) *Peromyscus* 186-88-21- ♀ 23grs pelage intense tawny.
- (6a-9-12-39) *Peromyscus* 151-72-20- ♀ 14grs. uterus normal. pelage a light tawny.
- (1-9-12-39) *Peromyscus* 175-82-20.3- ♀. 17grs. suckling, uterus normal. pelage intense coloration.
- (37-9-12-39) *Peromyscus* 160-75-21-18grs. uterus normal. pelage light sex(?)
- (30-9-12-39) *Peromyscus* 169-80-20.2- ♀ 18grs. uterus normal. pelage light.
- (23-9-12-39) *Peromyscus* 151-72-20.1- ♂ 15grs. testis 3. m.m. pelage light
- (28-9-12-39) *Peromyscus* 148-70-20- ♀ 15grs. uterus ok. pelage light.
- (22-9-12-39) *Peromyscus* 181-87-21- ♀ 21grs. uterus normal. pelage of intense tawny.
- (11-9-12-39) *Peromyscus* 162-75-19.3- ♂ 20grs. testis 4 m.m. intense tawny