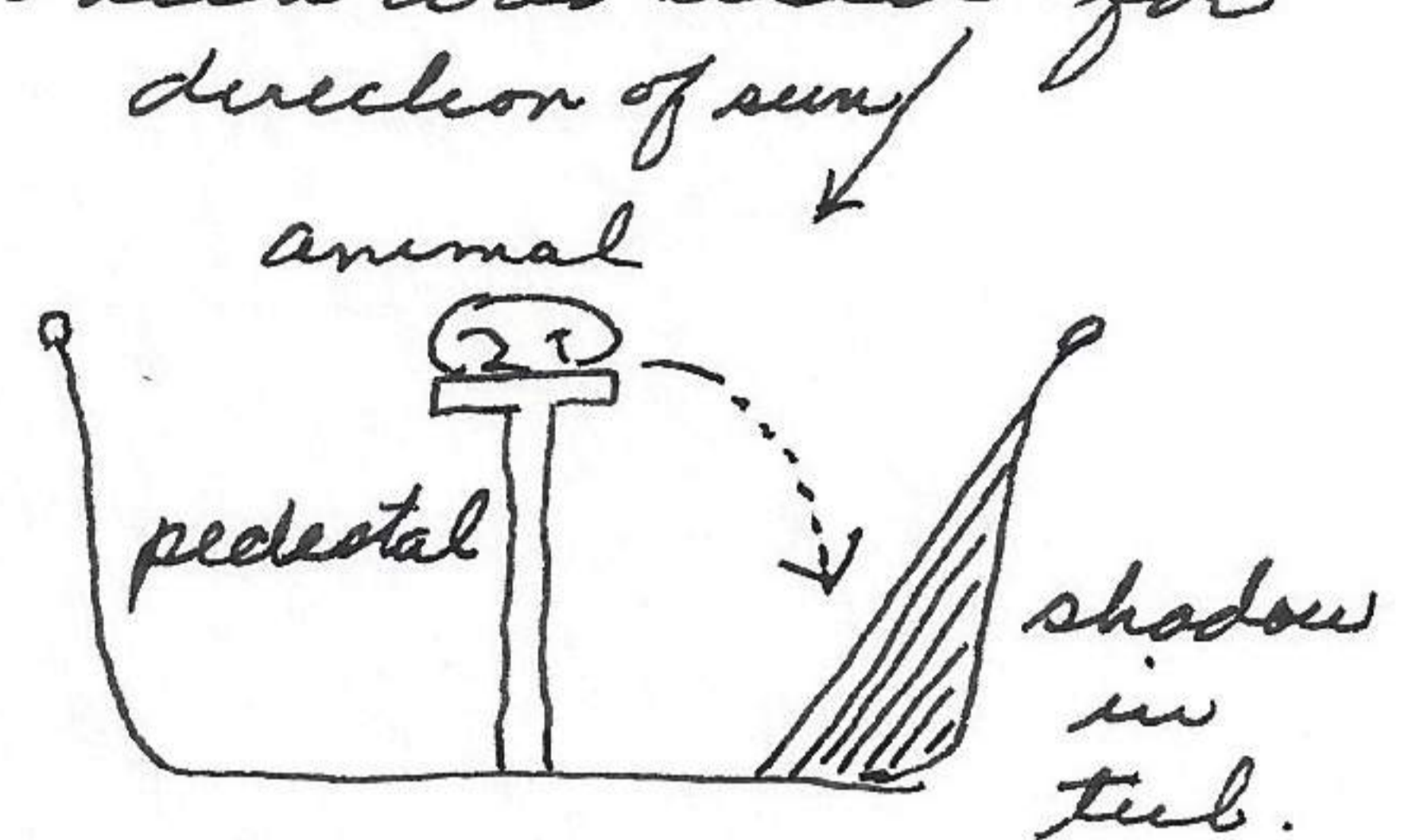


but has nevertheless changed. Two small areas on back are enlarging.

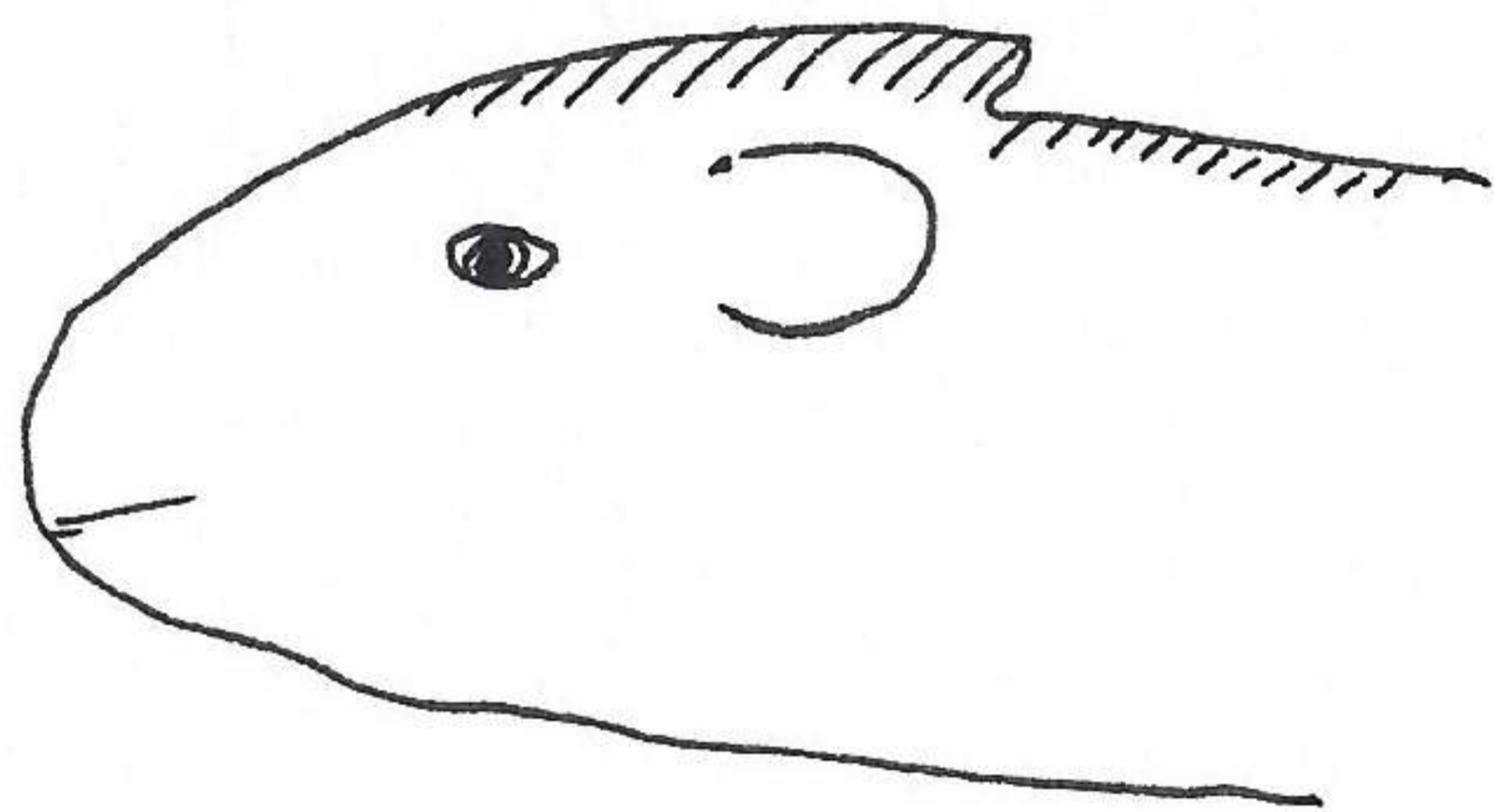
March 28, 1953

Examined Dicrostonyx of experiment No. 530311-1 as follows: No. 530828-1 weighs 46.3 gms; No 530506-1 weighs 43.0 gms. Pelage change slightly progressive. In orienting lemmings for photo found that they will not tolerate exposed situations such as on a pedestal placed a foot or so above ground and will, instead of remaining on pedestal jump down. They always jump into the shadowed part of the tub which was used for photographing or into the sun rays. With a slight covering of grass in the tub, they will burrow under rather than remain on top. They also remain at edge of tub and will seldom go out into the center. In other words, they are conditioned to protect themselves by using burrows, trails and overhead protection. They would probably kill themselves by falling in attempting to gain protection, than remain in exposed positions! Molt line in 530828-1 slightly progressive but not sufficient to register on diagram.



March 29, 1953

Examined Dicrostonyx (experiment no. 530311-1). No 530828-1 weighed 47.4 gms; No 530506-1, 42.1 gms. Pelage change stabilized with only very small amount of progressive change. No. 530506-1 with grey coming into head region replacing original white. Posterior margin of head molted whiter than rest of head thus: Greying throughout unmolted areas. Last remaining original pelage color surrounded by higher white hair but with black of white hair showing as a black spot thus:



Ears still mainly brown.

In No. 530828-1 ears mainly obscured by long white hairs, head of No. 530506-1 greying like other animal.

General back greying throughout old pelage.

