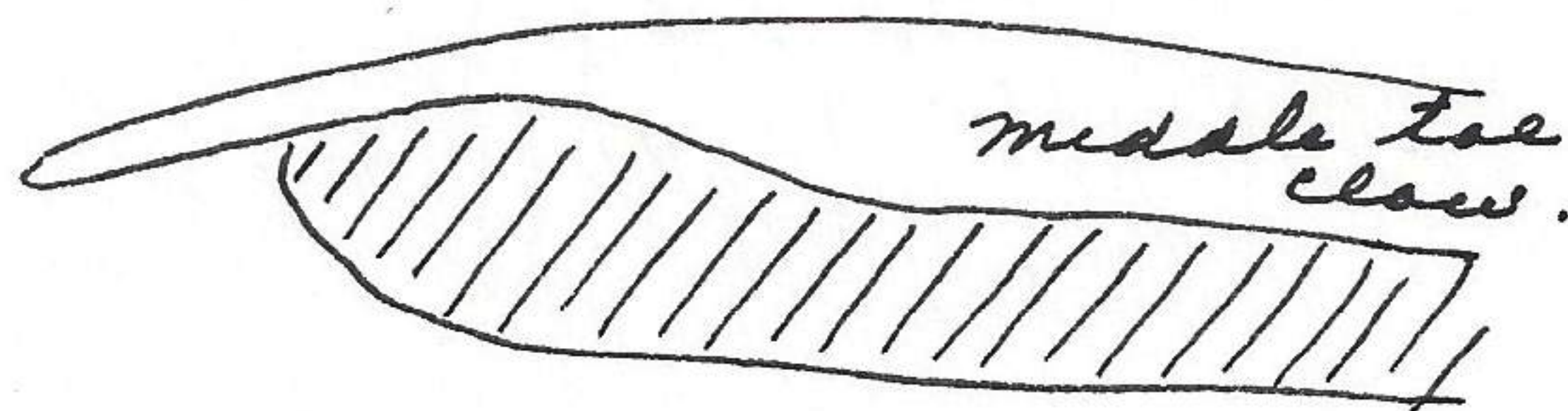


longer length of new hair. Ears still brown and darkest area of old hair on body except black dorsal line, white developing on and behind front legs. Female no. 530506-1 made first bisection of dorsal line and extends posteriorly between the ears about  $\frac{1}{4}$  inches. Except for the dark line and old pelage on dorsal area, particularly behind the head, the lemming is in good winter molt. The hair is not as long or as white as it will get later on. Most posterior line of molt remains distinct from the white of rump. The sides have come in abruptly and as a general fusion of white hair throughout the old hair rather than a distinct abrupt progressive line of demarcation as has been true with the head molt and posterior molt. Weights at noon for no. 530828-1, 44.0 gms; no 530506-1, 43.0 gms.

March 25, 1953

Pelage change of Aicrostonyx (cf. no. 530311-1) as follows at noon today: no 530828-1 with more progressive molt than no. 530506-1 with gradual enlargement of molt areas and two new spots of white hair beginning on back. no 530506-1 comparatively stabilized with slow but gradual change of dorsal line area. Dark line still indicated in most of new molt areas. This area is apparently slow to change. Weight at noon of 530528-1, 44.2 gms; 530506-1, 42.8 gms. Secondary claw about thus: It has gradually developed in the last 5 days.



March 26, 1953

Pelage and weight change of Aicrostonyx (cf. no 530311-1) most change in male in new areas on back which developed yesterday. Head pelage extending backward by two prongs near ears. Ears still dark brown but with a few white hairs present. Posterior molt line still sharp and distinct as in no. 530506-1. Weights at noon 530828-1, 44.8; no. 530506-1, 43.2 gms. Their general activity has been good. It appears that they have eaten less food during the first part of the molt. Food has remained the same in kind and quantity. no 530828-1 has continued to be the more active throughout the molt. Feces placed in cer-