

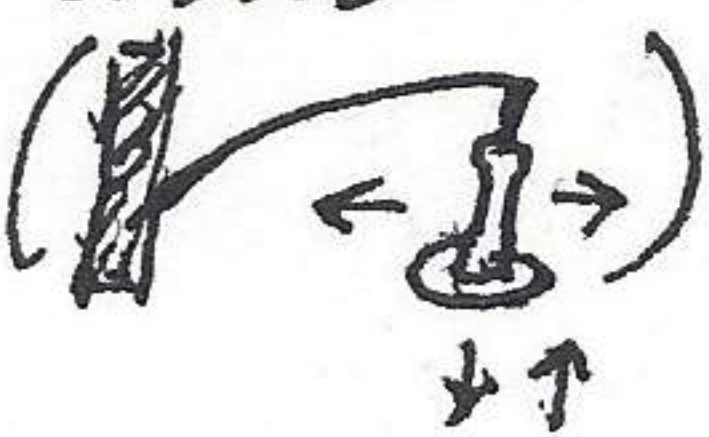
Both feeders with scratch feed.

3:35 P.M. Red-tailed hawk flew n along shore and at Bee House was diverted by a glaucous-winged gull that drove it SE out into the sound. It attacked the hawk 3 times.

4:00 P.M. collect an insect;

870501-2 bumble bee Feeding with rufous hummingbirds on sugar and water feeder.

Bee Estate, Humphrey Head, Lopez Island, San Juan Co., Wa
May 2, 1987

from SE wind, creating waves 27 per min. Hummingbird feeders blowing off to 15° from perpendicular. Fewer hummingbirds at feeders (average 9) than windless days. In high winds birds keep lee of feeder and into wind. When feeding from side, body 90° to wind and when wind at back, tail frequently fans upward instead of usual downward. I have observed 1 in 100 birds with tail expanded upward when feeding in windless days. I have observed ♂ chasing ♂, ♂ chasing ♀, ♀ chasing ♀, ♀ chasing male. Birds can feed with wind blowing feeder laterally 3" and up & down 3 inches 

10:50 30 glaucous-winged gull Flower Is.
no harbor seal on any pullouts.

10:55 Captured a *Peromyscus* in Bee House.

870502-1 *Peromyscus m. hallisteri*. 178-81-22-19-26 gms ♂, testis 6 gms

6:05 15 rufous hummingbirds at one window feeder 3 minutes after all disappeared except 3 which remained for 8 minutes before main group of 12-15 returned. The three birds were 2 ♀ of which one was very aggressive and 1 aggressive ♂. The two aggressive ones fought almost continuously for the 8 minutes. The female challenged the male whenever the male initially challenged the female. The 2 would fly upwards for 10-20' with bills almost touching or even touching as well as other bodily contacts. One time the male darted at and over the female, circle out 3-4' then repeat darting action continuously for 5 times, the female reacting in each case by dropping down 3-4 inches. At one time for about 40 seconds the male challenged the other 2 females and did not allow them to feed. The male, in turn, spent the 40 sec. away from feeding. At 8:15 P.M. the main group arrived (9-14) and although one male was unusually aggressive, it could not dominate the group. One male sat on