forceful attacks on Skull Cap both at near contact and as far away as 50', chasing it up & out of area.

2:30 P.M Left for N Rock Quarry (base). Itinerary horizontal trail to W Bee Estate, horizontal trail to logging trail above marma, logging trail to forks of trail, thence first switchback to N, thence down grade to flats below North Rock Quarry.

3:01 P.M main logging trail above marma. Only 5 small 1/4" white moths so far and no other insect.

3:09 P.M Divide of logging trail. No insects of any kind to this point.

3:18 main trail (road) at first switchback.

3:23 Bottom road at flats. I have never seen so depauperate insect or bird population. Sun 50% of time, otherwise cloudy.

On flats collected the following insects from open exposures.

870727-1 grasshopper, brown. Estimate 26 on flats, largest not much larger than specimen to 1/2" long. If chased they finally go to shore rocks or talus at base of cliff. Larger ones fly farther than smaller ones. Wings with yellow.

870727-2 wasp All below in open ground situations.
870727-3 "
870727-4 "
870727-5 hornet
870727-6 hornet
870727-7 "
870727-8 bumblebee On thistle at border field
870727-9 " " " " " "

4:07 P.M left flats. 100' up road and large leafed maple with dry leaves completely covering road below. Other leaves on same tree green.

4:25 main Top Road

4:40 P.M Bee House. Number of insects (except minute ones) approx 20. No butterflies, no birds, no mammals.

7:20 P.M 76 glaucous-winged gulls on Flower Island. 2 males? held on to each others bills and together gradually slide down 15' of rocky slope.

7:30 P.M. 2 double-crested cormorants fed directly below Bee House, one caught a worm (8" long & 1/2" wide). Yellow of face carried out on lower bill.

7:35 ♀ Skull Cap (mule deer) 25"
♂ " " " " 25" and antler buds, more reddish than ♀
These deer are this years young of mamma doe?