

One harbor seal fell 2 feet onto another seal. All seal on reef jumped in reaction but none entered the water. They immediately settled down again.

This morning there was a lack of birds and mammals at feeder at Bee House. Temp at 11:50 A.M. 68°F, slight breeze from S, sky 40% clouds.

The first occurrence of the brown rat at Bee House was preceded by absence of these rats. They arrived (16 of them) as if by a joint endeavor and established themselves outside the Bee House in the area of the feeder at base of cliffs on NW side of house (in front of kitchen window). They preempted the Townsend chipmunk corridors and ^{other} points of refugia where they enlarged, extended and maintained the protective tunnels. They became more aggressive and foraged all hours of the daylight. I seldom observed them more than 50' from home base at the feeder. The area has been used so completely and extensively that the odor of rats has built up to an objectionable level when passing by. The brown rat has displaced the Townsend chipmunk and to some extent the eastern gray squirrel, both the latter however, feed in the area. The rat displaces the chipmunk ^{and will retreat at 4'} at the feeder but the gray squirrel with challenge the rat and unless there are 2 or 3 of the rats will stand its ground. Chipmunks will not now enter the corridors (underground). One rat ran across the cliff 6' from a mule deer feeding at the feeder. The deer jumped from feeder and ran 35'. Unless startled the deer remain at feeder and rats seldom approach nearer than 3'.

Trip to Fishermans Bay on Lopey Island, theme Richardson. In channel of marsh beyond outlet Hummel Bay ^{american} 2 Coot and 4 young mallards 1/2 grown.

Adult bald eagle 1/10 mi. N Lopey Village.

2 turkey vultures in new cut grass field prebaeking.

High tide 9:00 P.M. and at 8:00 A.M. water base of arbutus marker below Bee House



Collected a wood boring beetle from Bee Estate on Lopey Island:
860708-1 wood boring beetle from ground among forest of Douglas fir and madrona,