

approximating the 40 year age. This zone is 410901-115 and is bordered by zone C which is of a zone of brush or shrub of a homogeneous nature. The contact line between zone B and C is abrupt and distinct. The zone D is unquestionably of a recent nature and is provided with 7 minor recessional moraines leading progressively down the slope from C-D contact to edge of present glacier.

Zone E is present glacier which could be considered a part of zone D. Zone D is traceable higher on glacier where glacier proper is lined in a parallel fashion with a series of moraines, each moraine of a different color material. From evidence gained and impressed with the fact that one does not have to allow great periods of time in allowing for the disappearance of ice from our last glacial epoch. At lodge observed about 80 Junco oregonus and 20 Furdus m p feeding in a flower patch at Paradise Valley. Have noticed a general robin migration. From Lodge follow old trail to Longmire. Along way observed a different vegetational underbrush construction but could not explain difference. Enroute saw one Sorex, 2 waterhogs. Fungi present from Longmire to high as timber reaches in mountain but differs as to intensity and distribution on individual trees. Deer follow regular trails. Conifer needles in trail collect in such a fashion during a rain storm that hundreds of small reservoirs are formed, impounding a considerable amount of water when taken over a wide area.

Found that to pick up a moving object one must stop, otherwise the relative degree of movement of the trees interfere with perceptions. Also one can best pick out an object by relaxing muscles of the eye until object is located and then drawing a sharp focus after.

Did not see any evidence of bear on trip but recall Paul's mention of bear trouble at Longmire when he lived there. Near Longmire found frog in trail and at one point the ground was covered with large <sup>nest</sup> Abies concolor cones which had been unquestionable placed there by Tamiasciurus as this squirrel was no doubt present because of the other signs of cone piles etc. present. Could not positively prove that the cones were chewed off but things look suspicious.

One of the great problems of the park is the plant succession along the sides of the road. Regardless of the type of area the road passes thru, the same brushy wall blocks out the true nature of the other forest or plant type. Left Longmire and Rainier Nat Park and after several rides a Mr. Atwood of Portland picked me up and took me straight into Vancouver. From Elbe took highway south and rejoined main road