


timber-line in many cases. Some isolated trees or protected or separated groups of trees and some along edge of river. It would be of value to check these protected areas, especially the higher ones on mt sides to see if their isolation has also given them protection during past fires. Their community structure may be different than other areas that have repeatedly gone thru fire successions. 074.4 Continental divide, Leaving Banff National Park and now into Kootenay National Park in British Columbia. Raven. Passing Painted Pots. Avalanche track straight walled and some with eroded gullies with soil banks and other avalanches not associated with shrubs  erosional drainage systems. Floor of track with a reddish-purple-brown short shrub except at bottom where shrubs are replaced with yellowish grasses with irregular contact with shrubs above.

An intense reddish stain water and rocks from creek to south has stained the W side of creek at least 1/10 mile, then disappears (by dilution). At about this point the golden leaved larch is appearing in conifer forests and gradually increasing as we travel down canyon. Aspen present but leafless. Passing Numa picnic grounds. Extensive avalanche slope to W on mt. 080.2 elk with large antlers. Definitely more weary than those at Jasper or Banff. 088.5 Floc Lake hiking trail. 093.7 Vermilion River bridge. In Banff Nat Park snow today, in Kootenay N. Park rain. 106.1 Kootenay River. meadows with isolated conifer trees a new feature in the landscape. 112.5 6 elk and 5 of them weary (all females). 117.5 white tailed deer Canada jay. Dramatic increase in larch and all in brilliant golden color as if climatic color of the season. These larch are mixed equally among conifers or in consociates among conifers. Aspen present but leafless. Continued down to Radium Springs thru a narrow canyon to springs. Camped at a camp in canyon bottom W of Radium Springs. 135.8.

Radium Springs, British Columbia, Canada

Radium Springs at Oct 18, 1983

Left 139.7, 93 to S at 11:30 AM Sagebrush here. Good Pleistocene terraces in fact Radium Springs is situated on one. Larch 80-90 per cent in leaf. 2 ravens. Birch main colored tree in valley proper. Trees are lodgepole, spruce, larch, aspen, balsam poplar juniper and ponderosa pine?, fir, birch.