main road 400503-60 → 7:46. Citellus mollis → and horn lark. 7:46. Big gulch from Tickville canyon. Grains looking fine. 7:49 Horned lark. 7:50.5 Two horned lark. 7:51 2 horned lark. 7:55 3 horned lark and one meadow lark. 7:59 Cedarfort. As one passes thru this town he finds that on the outskirts the artemesia growing and in passing thru the city he finds Chrysothamnus growing in garden plots and along the fence lines. In passing thru the village recorded 2 Robin, 1 magpie, and 2 English Sparrow. 8:10 Considerable matchweed among artemesia tridentata on flats. Artemesia near Cedarfort overgrazed & small. 8:12 a red tail (?) flying in valley to the west. 1 magpie. 8:19 Old town of Manning. Stop at spring for six minutes. Have noticed that the canyon east of here is a typical synclinal mountain and the Manning Canyon Mt and valley is made up of perpendicular strata. Left the spring at 8:25. 8:26 among Juniperus, Artemisia, Chrysothamnus, oaks, cercocarpus montana and other typical shrubs typical of this grouping. 8:40 Outside. down to Mercur. 8:44 Mercur. Stopped.- Started at 8:49. Mercur is last chance to get gasoline. Advisable to have at least 1/2 gal of gas to make trip and at least 5 extra for emergency as well as six or seven gal of fresh H_2O. At Mercur heard a Humming bird. Using cyanid water for their base ore extraction. Tailings going down the Mercur canyon. As one passes down this canyon he is immediately impressed with the occurrence of Ephedra and Pinyon trees which seem to be more numerous than elsewhere. 9:05 West Dip. One rock wren. 9:18 Cit. T. mollis. 9:26 Ferruginous R. leg 9:28 Sparrow hawk. One finds on the east side of rush valley both solid and mixed stands of Artemisia and Atriplex. 9:35 2 small birds (?) 9:36 Horned Lark. 9:44 3 Arkansas kingbirds and 2 robin. 9:45 Raven, one English Sparrow, Cretaegus rivularis growing along irregation bank. 9:45 Bluebird, meadowlark, Barn swallow, and one White Crown Sparrow. Have passed through main street of farm houses, (not city) and now at school house at 9:46 A.M. 9:47 meadowlark, 9:50 2 brewers blackbird and 2 magpies. 9:51 3 magpies. 9:52 Among a very beautiful grove of Juniper trees. These junipers occur more abundantly on the west side of Rush valley, and completly covering the low hills adjacent the mountains and in the main above the Bonneville level. Several juniper groves are found on east side of valley but not as extensive.