

Arrived mouth Phelps at 5:10 A.M. and ⁴¹⁰⁶²⁵⁻⁸⁵ started up medial ridge between Phelps and Boulder Canyon. At point on this ridge a 100' or so above floor of canyon recorded the birds heard on west exposure and those heard in Canyon proper. Birds of west valley exposure are:

Hedymeles melanocephalus papago 2
Passerina amoena (?) 3
Pipilo maculatus montanus 6
Penthestes 1
Aphelocoma californica woodhousei 1
Spinus celata (?) 1
Selasphorus platycercus platycercus 1

The vegetation of this exposure included juniper, oak, red pentstemon, symphoricarpos, mahogany (3 sp.), and cliffs. Sun on low granite peak at about 5:20 A.M. Birds in Phelps Canyon are:

Pipilo maculatus montanus 9
Zenaidura macroura macroura 1
Selasphorus platycercus platycercus 2
Hedymeles melanocephalus papago 1
Unknown call 1
Penthestes 1

The form of vegetation included *Abies concolor*, oak, mahogany and juniper but typical canyon type. Continued up to first maple flat at apex of the main ridge frontal spur. On way up found deer tracks more numerous than last weeks trip. Several birds up ridge, singing on both sides. Arrived at the maple flat at 5:54 A.M. Birds heard here included: *Cyanocitta stelleri cottami* 3, *Pipilo maculatus papago* 1, *Hedymeles melanocephalus papago* 1, *Vireo gilvus swainsoni* 1, Warbler (sp?) 2, *Spizella passerina arizonae* 1. Head of flat at 6:05 and now starting up main ridge between Boulder and Phelps canyon. Complete census from this point on. 6:05 A.M. (recording as I progress up ridge and indicating time factor) *Cyanocitta stelleri cottami* called, *Pipilo maculatus montanus* singing from oak, 3 *Dendroica aestiva aestiva*, *Cyanocitta stelleri cottami* calling, *Pipilo maculatus montanus* calling, *Aeronautes saxatalis saxatalis* flew by, *Junco cinereus* calling, one *Junco cinereus* flew down to another concerned. A *Spizella passerina arizonae* and *Pipilo maculatus montanus* sing-