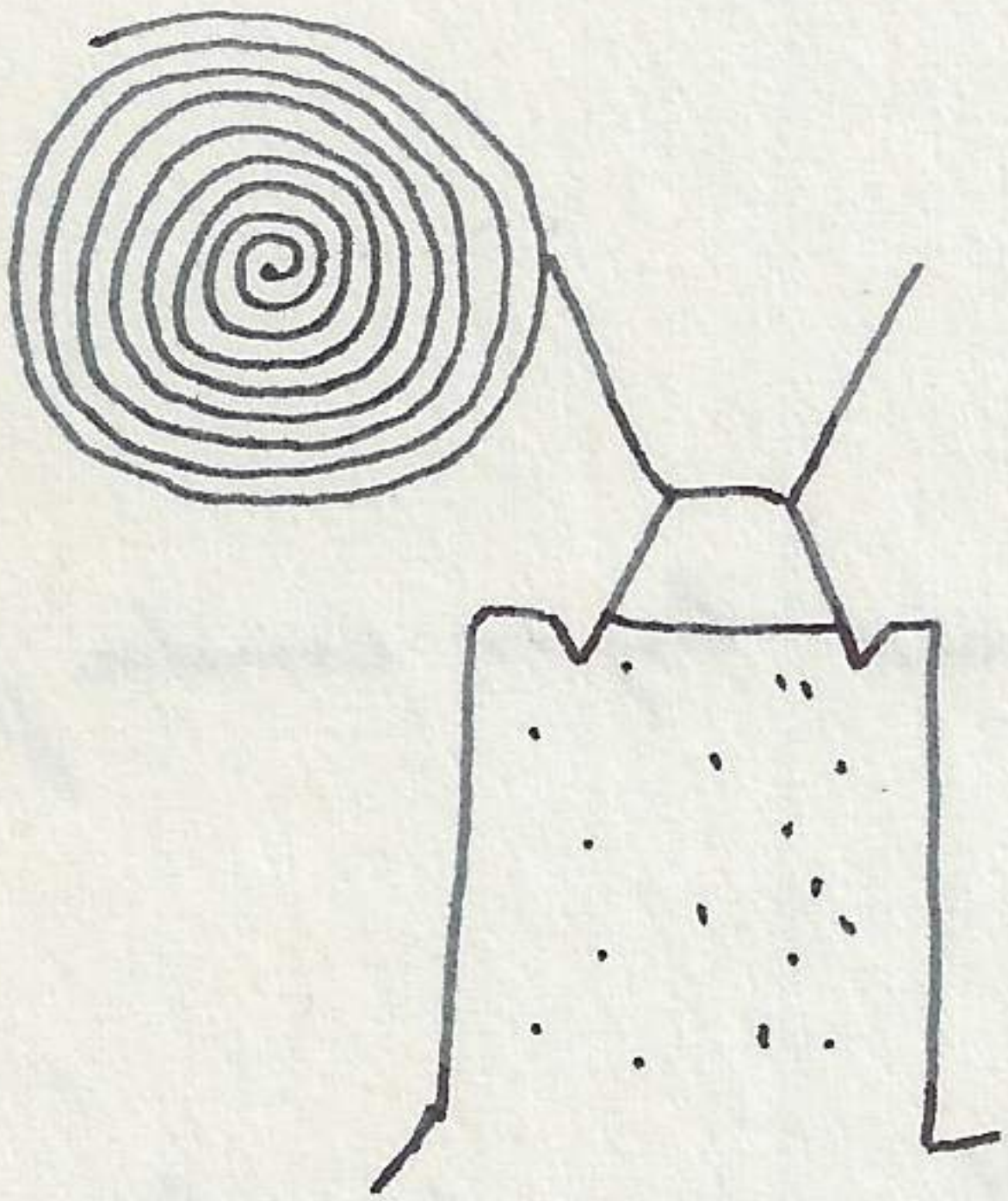


and when shot was picking up a feather for nesting material. This hillside above canal is a igneous boulder covered slope with sparse vegetation except *Ephedra*. Below the canal is found a damp soil with frequent wet places where water has seeped from canal. This area is covered with sycamore bush and willow in dense cover while cottonwood trees follow the canal edge. Below the cultivated field are seen with fruit trees and grain fields, with willow edge stream running by. Not 200' from where ♀ Goldfinch was collected, shot ♂ Goldfinch. (651 J.B.) Same situation as above and probably the mate to the above. When not flying from willow to willow were seen resting upon an old dead ^{upper} limb of a willow.



This petroglyph was found on igneous boulder 20' above upper canal and about 2 blocks from mouth of Fremont Canyon up stream.

9:06 House Finch ♂

9:30 Collected H. Throated Swift (654 J.B.)

flying along side hill at mouth of canyon

9:45 Foxglove Bunting ♂ flew by in willows bordering creek. But others seen. ♂ singing in willow top.

10:00 Approached first cultivated field at mouth of Fremont Canyon. Two adult marmots feeding in open field but left immediately. Had family of young about one half size of parents, home at edge of field in rock pile. Parents 200' from

home. At this point the Moenkopi forms the canyon sides and follows up canyon but gradually being replaced by the old. Kiabab limestone (?) as one follows up canyon.

9:25 Gnatcatcher. Chipping on top of dry juniper tree. Continued its course and flew from tree to tree chipping as it worked itself along the mountain side. (653 J.B.)

at the edge of the creek on valley floor measured an Artemisia tridentata that was 12' high. The canyon walls are now becoming higher & more rugged appearing.

10:35 Hatched adult rock wren feeding young about the same size as parent bird. She was feeding one a red grasshopper on top of a large boulder. Both birds calling. Swallowtail butterflies, mourning doves and Cicada were frequently seen or heard.

10:45 Two gnatcatchers, one with worm in mouth to be fed to young. The birds were feeding & working along in tops of Juniper & Pinon trees at base of hill.

10:50 2 mourning doves flew by together.

11:00 Leaving the canyon at the narrows and working diagonally up hillside to gain top of sloping plateau. When about 200' up hot dry hillside saw Thamnius just as it worked itself into hole under rock. Juniper & Pinon is dominant vegetation with ss. and round igneous boulder strewn upon the sidehill.