

tree, small trees about 5-6 inches in diameter, grass among
 trees, cardinal, creek below with large pond, poor cliff exposure,
 field sparrow calling; 1:05 minor drainage, some sumac along
 here, 1:08 juniper with mourning dove nest 4 feet above
 ground, 2 eggs, $\frac{3}{4}$ incubation, large walnut grows 3 feet N of tree,
 minor point about 50' to W; 1:10 point, good vantage point;
 1:12 2 red-headed woodpeckers, better rock ledges; 1:13
 beautiful sycamore with intricate branching of upper limbs;
 1:14 fence, 16 bobwhites, 2 cardinals, 3 jays, large orange
 orange 10' beyond fence, 2 turkey vultures; 1:15 minor
 drainage; 1:16 2 cardinals, 2 titmice, 1:17 lateral drainage,
 2 red-headed woodpeckers, 2 chickadees; 1:20 3 blue jays,
 crossing over approx 200 feet down from road, 3 meadowlarks
 flew over, 18 Harris sparrows, 4 of which were singing, 2 chickadees,
 1 red-bellied woodpecker, 5 junco, water just flowing in creek,
 no moss associated, lower in drainage it is dry, the relocation
 of water in these drainages at first bench indicates a spring
 in the headwater sections, 100 feet ^{beyond} from left lateral spring with
 moss; 1:24 lateral to left; 1:26 8 Harris sparrows, 8 English sparrows,
 2 starling, 2 chickadees, 8 junco; 1:28 back on bench at
 mouth of canyon, downy woodpecker, 3 robins, 3 Harris sparrow,
~~1:31~~ 1:31 mourning dove; 1:32 fence; plant grass beyond, 3 junco,
 2 blue jays, Cowbird calling in top of tree, 8 Harris sparrows,
 meadowlark singing, field sparrow, meadowlark singing,
 2 cardinals, 4 junco, ^{fox sparrow}, end of bench across from house at
 1:36 P.M. Will continue down drainage to car and will
 make general observations. arrived car 1:52. Between end
 of bench at 1:36 & car observed that creek is almost
 continuous in supporting water, ^{1 to 2 feet in depth} with clear pools lined with
 submerged dry leaves, algae, mosses. Frogs of both *Rana*
pipiens & *Acris*-like ones; on flood periods water gets 3-4
 feet higher than present level. Following birds observed
 3 red-headed woodpeckers, 2 red-bellied woodpeckers, 8 chickadees,
 1 fox sparrow, 6 junco, 1 turkey vulture, red-tail hawk, 3
 titmice, downy woodpecker, 6 cardinals, 1 song sparrow,
 2 blue jays, 3 mourning doves in one group, water flowing
 about 1 gal per 10 seconds. Cliffs at mouth 20 feet high &
 bench almost perpendicular up to 50', 3 field sparrows
 which were following each other, 1 meadowlark, 1 bluebird.
 Leaving with car at mileage 11.9; 12.8 redtail perching above
 mouth of canyon that supports its nest; at bend of road where