

4 juncos, downy woodpecker, blue jay, chickadee, 10:37  
 large osage orange approx. 38 inches in diameter, neotoma  
 nests associated in rocks above, Carolina wren; 10:39  
 song sparrow, recent cutting of osage orange and numerous  
 brush piles falling in the entire upper drainage, water  
 pools in creek, noted 5 goldfinches, 2 cardinals, Carolina  
 wren, 2 downy woodpecker; 10:41 crossing over drainage,  
 this creek has considerable green algae, drainage continues  
 up for approx 200 to cliff interception which at this  
 point is worn flat by water erosion, entire valley  
 in brush piles of osage orange, among brush noted 26  
 Harris sparrows, 2 cowbirds, 1 red-bellied woodpecker,  
 2 chickadees, 5 blue jays, 2 lizards, 2 titmice, meadow  
 lark on plateau beyond, 6 bobwhites, white + yellow  
 butterflies (2 each); leaving crossover at 11:03, water  
 confined to area of first bench; 11:04 18 Harris  
 sparrows, 6 juncos, 2 titmice, hairy woodpecker,  
 3 cardinals, chickadee, 4 goldfinches, 2 crow flew over;  
 11:06 chickadee, ♂ + ♀ goldfinch feeding on ground  
 under current bush (Ribes); 2 chickadees, downy,  
 8 Harris sparrows, song sparrow; 11:08 2 cardinals, 4  
 juncos, 2 chickadees, blue jays; 11:05 beginning of  
 large piles of dirt associated with rock quarry, now  
 bench more heavily wooded with osage orange, no grass,  
 Ribes dominant as understory, osage from 1 1/2 to 3 feet  
 in diameter, base of all trees covered with eaten fruit  
 of the osage orange; 11:13 2 blue jays, Symphocarpos  
 wiped in with current, now into more open area; 11:14  
 active gopher and point, 2 juncos associated with this  
 point above <sup>and in</sup> cliffs, abnormal growth from stumps is  
 osage orange and not elm as surmized on yesterday's  
 observation; 11:18 road + drainage into quarry area, one  
 large osage approx 3 feet in diameter in bottom of drainage,  
 2 blue jay, 3 juncos, cardinal, red-bellied woodpecker,  
 field sparrow calling; 11:20 point, cardinal, Eng sparrow; 11:21  
 directly below bard, 4 mourning doves; 11:23 farmer's water  
 reservoir of cement, 8 Eng sparrows, cardinal, 5 Harris sparrows,  
 4 juncos, now pond directly below and house directly above,  
 field sparrow calling; 11:24 rock fence; 11:25 field sparrow,  
 cottontail, 4 juncos, 6 Harris sparrows; 11:26 4 juncos,  
 large black diptera out, 8 juncos, 4 Harris sparrows;