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3:53 short cut to chimney. 3:55 site of Louisiana waterthrush of previous trip. no bud in area, creek ran without water but damp. 3:56 low divide between drainage. water in east creek, ^{1 qt per 5 sec.} Deer crossed at this divide. 4:58 Chimney, red-eyed vireo. deer tracks going east and west. 4:02 point of trail where Rock Creek goes N. water in creek muddy and near normal level. ^{and 10' N trail} Craw on plateau to S. Approx. 200 feet E of Chimney the hillside is excavated as if used in pioneer days for rock quarry. There is one kind of gnat that selected eye lids and is annoying. Another kind of fly inhabits open field, especially those used by cattle and selects the back of head. These flies will follow one into forest for a 100 feet or so. Mosquito more common on trail nearer base of hill than on upper slope. 4:05 Chimney, will follow left hand trail that goes S and around to west on nearly horizontal level. Fox track in trail. deer tracks both up & down. I get the impression that this area is the center of deer activity as tracks lead in both directions and are more common than elsewhere. 4:07 2 titmice, the ♀ vibrating wings on approach of male. 4:08 red-eyed vireo. 4:12 shale cliff in drainage; great crested flycatcher. 4:13 crossing drainage. The trail that was believed to end abruptly here from west is a continuation of this trail. 2 deer left bush approx 100' down stream. 4:28 chickadee, titmouse. 4:24 cardinal. 4:28 trail to ford, cardinal, great crested flycatcher. 4:30 titmouse. 4:33 cardinal, 2 chickadees. 4:34 trail to field. 4:36 drainage, cardinal, titmouse. great crested flycatcher; chickadee. 4:40 cardinal. 4:44 cardinal; 4:45 downy. 4:48 crested flycatcher. 4:50 titmouse. 4:55 redbellied woodpecker, chickadee. 4:55 Kentucky warbler, chickadee, cardinal. fox squirrel. 4:58 crested flycatcher, redbellied woodpecker, chickadee, cuckoo. 5:04 large elm to right on alluvium. 5:05 collected Bufo in trail. no. 680608-1 Bufo. 77mm body, 41 gms wt. Left. 5:20. 5:23 convergence 2 barbed wire fences, crested flycatcher. 5:24 ¹ titmouse. mayflower fruit now over 1 inch in diameter. 5:27 cardinal. 5:30 6 chickadees. great crested flycatcher, titmouse. 5:31 cardinal, field sparrow. 5:33 drainage, cardinal, chickadee, great crested flycatcher. 5:34 chickadee. 5:35 chickadee, 5:37 road & end of census.

There is a decided increase in butterflies since last trip and on the proportion of at least 90 per cent increase in