

Rock Creek valley. The edge of the plateau shows the most serious effect of wind because of the increased velocity gained across the open fields of the plateau. The most tangled mass of trees is on the first bench. One wonders about the direction of force producing downed timber on the second bench which is relatively protected by the higher ridge and other climax trees. There must be a general direction of wind following the direction of the tornado and cross winds according to whether the circular movement is active at the front or rear of the tornado.



The eye of the tornado would be a partial vacuum and the movement would at first be upward and forward or sideward according to the site of rotation of the vortex. Most debris from buildings seem to follow general direction of the tornado, however the farm where car was parked was blown mainly to the W; many small mammal trails under downed timber, 3 blue jays, as one moves S there is more downed timber on second bench; 9:20 recently cut elm, 105 years old, the blue jays are moving about the drainage system below; 2 red headed woodpeckers, first bench broad & gently sloping; 9:23 minor drainage, bench angles slightly, bluebird singing, blue jays calling continuously on bluelands below, 8 robins, downed trees in same direction tending NNW; 9:25 fox squirrel tree nest, red-bellied woodpecker; 9:25 horizontal tree with beautiful fungus, 2 fox squirrel tree nests, soils dry, black with leaves; 9:28 rock fence, 2 red-headed woodpeckers, 1 red bellied woodpecker; splintered tree from tornado on second bench 30 feet from rock bench, 3 juncoas, some boards and metal roofing, most trees NNW, titmouse, 9:29 3 juncoas and took like females of slate-colored, titmouse calling, 2 chickadees; 3 red-headed woodpeckers at point at 9:30, several very old trees on ground and pointing same direction as recently blown trees, the reaction of trees being uprooted has a profound effect upon the surface of the ground and the associated plant-animal community, especially in exposing broad expanses of new soil and rocks at different exposures and slopes; from this point can see trees down to as far as middle of valley to W and a few beyond, all pointing mainly NNW. to N, as the bench trends more to SW, the trees now point nearer N and instead of being blown down slope are falling onto first