

- 701025-8 misc color shot below dam, trees + flower foreground  
 701025-9 misc color shot below dam, old meander  
 701025-10 " " " " " old meander

Lawrence, Douglas Co., Kansas

(36) nos 701025-11 to 701025-46  
 Oct 25, 1970 38  
 Took a roll of color pictures of trees in the city of Lawrence. There was no attempt to compose pictures but just shot unusually colored trees for color effect only. There was enough wind this A.M. to dislodge many of the leaves which, up to this date, were on trees. I would judge this day as the first day of decline in the average maximum color intensity of trees. Other trees will develop color but the season will be on the downward slope of the cycle. Photos 701025-10 to 701025-46

In the city the leaves are not as far along as in the country and in the city are: 30% green, 65% in color, 5% leafless. In the country (reparation along Wakarusa) 80% yellow, 19% green, 5% leafless. On the hillsides (deciduous) 65% yellow, 5% green, 15% reddish brown, 15% leafless. There is a correlation of change of color of leaves and cold nights and warm days with moisture. This year there was considerable cloudy weather and moist atmosphere and no wind. The red maple (only one tree on campus) was first to change color to a brilliant deep red and the first tree to drop leaves. The hard maples are mainly in city. Trees and grasses that are native and are acclimated turn color whereas those from more southern areas and are introduced are green. The latter change color later. The pin oaks in city are deep red to reddish brown. If leaves have adequate sugars they turn brilliant colors.

Flow of Kansas, Lawrence, Douglas Co., Kansas

Dec. 1, 1970 at sundown

Noted two brown bats flying in area between Snow Hall and Potters Lake. They were approx 100 feet high and foraged back and forth over slopes to N. There were no insects in the air and previous days or weeks had been unusually cold. The warm day this evening created favorable temperature for flying. I would judge that these bats had been in a hibernating state before this date.

Dec. 2, 1970

One bat observed flying in same area as above.