
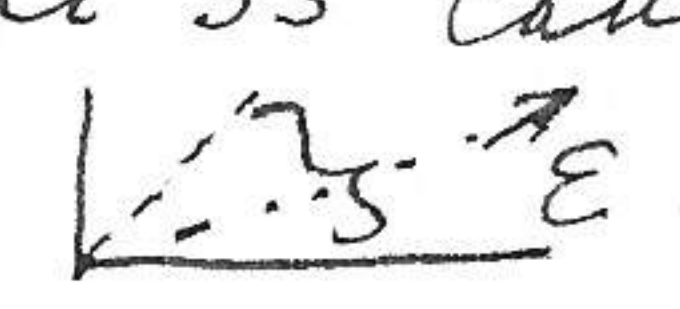


Hallmark Field, N Peterson-Yorkshire Rd, Lawrence, Douglas Co., Kansas

Nov. 4, 1976

Check morning flight of roosting birds (see Oct. 24, 1976 for area). Correlated departures with Weston Exposure meter in Candlepower. Temp. 25°F, slight breeze from N enough to move leaves and upper limbs of trees. No clouds.

At 6:17 A.M. reading .2, some high pitched calls, birds down within trees no movement of birds. 6:22 A.M. reading .3, birds still inactive. 6:26 A.M. reading .4, some birds in tops of trees, more calls and a few birds moving within the trees by flight. 6:28 A.M. reading .8, 6:30 A.M. reading 1.6. ^{between} ^{at which time} first flock which was the first birds to leave followed immediately by birds moving to tops of trees. From this point on birds left in continuous flight filling the sky to east as they passes to ESE & SE.  6:33 A.M. reading 1.6-3.2, birds in full flight. 6:35 A.M. reading 3.2, eastern sky to 60° high filled with birds as far as one can see. 6:38 one of the most massive departures. 6:39 A.M. reading 6.5 flights tapering off. 6:40 reading 8 candlepower. Only one tree of birds left in roosting area. 6:43 reading 13 and last birds to leave. No other birds now in area. 6:49 reading 25. 6:53 reading 50 candlepower. 6:57 reading 75 (at this same time took reading directly up into sky at 35 candlepower, all other readings into sun area at 45° to 0°  7:00 A.M. 100 candlepower, 7:02 sun on trees in roosting area but not at point where I was taking readings. It is difficult to determine time of sunrise because of topography and building interference.

7:04 A.M. reading 125. 7:07 first rim of sun at home. Reading 200 just before appearance of sun. 7:09 A.M. full sun & reading 400. and end of recording.

