

Temp. ^{30°} 38°F. 554.0 mound Branch. will record all birds and mammals between cities or landmarks without reference to mileage as deal obstructs vision of numbers. mourning dove. Last night 2 great blue herons overhead to n. Miami Creek, redwing, redwing blackbird, redwing, redtail. Mars de Cyne River ^{at} 559.2. Considerable tree cutting by beaver in overflow area. River low. redwing, arther turnoff. Geasses in all areas more advanced than in Lawrence. no hawks or roadkills. Little Oage R. (size of Wakarusa & low. Flock 50 grackles. 3 mourning doves. Horton turnoff; redwing (all males so far). cottontail road kill, redwing. marmarton River. redtail. 2 grackles, grackle, crow, opossum road kill and another 200 feet away. Highland Ove. turnoff. Turnoff to Nevada Business. 4 grackles, meadowlark. ~~road kill~~, 4 grackles, striped skunk rd. kill, striped skunk, road kill, meadowlark flying 40 MPH. redtail. meadowlark, opossum rd kill, meadowlark, stripe skunk road kill. Sheldon turn off. Barton Co. meadowlark, meadowlark, skunk rd kill. stripe skunk road kill. 2 horned larks, Erwin turn off. 10 Canada geese flying n. opossum rd kill, opossum rd. kill. Ruccon rd. kill. Larmer spit. Sparrow hawk. meadowlark, 2 hawks (roughleg one black), roughleg (Am) hawk, sp. hawk, redtail, 126 turnoff. 3 meadowlarks, Jasper Co at railroad overpass. redtail. mourning dove, crow, meadowlark, redtail meadowlark, redtail, grackle, sparrow hawk, 2 meadowlarks, 2 redwing. Alba turnoff. cardinal. Spring River at Cottage. 2 grackles. Ozarkian exposures of rock coming into being in road bed cuts. Redtail. Columbus (Kansas) turnoff. Permian red soils starting to appear. Redtail. Temp 38. Center Cr. Carterville turnoff. Redtail. Webb City at railroad overpass. Joplin City limits at 11:35. Tree in leaves (1/4-1/2) in some trees, willows greenish. Turnoff to 44 west. mourning dove, Shoal Cr. Sparrow hawk 5 of Joplin country becomes hilly and slopes covered with trees. Tipton Fed. turkey vulture, grackle, redtail Trees sparse as in parkland & grass to base of trees. Racine turnoff, sp hawk. Crow. Neraho at r r