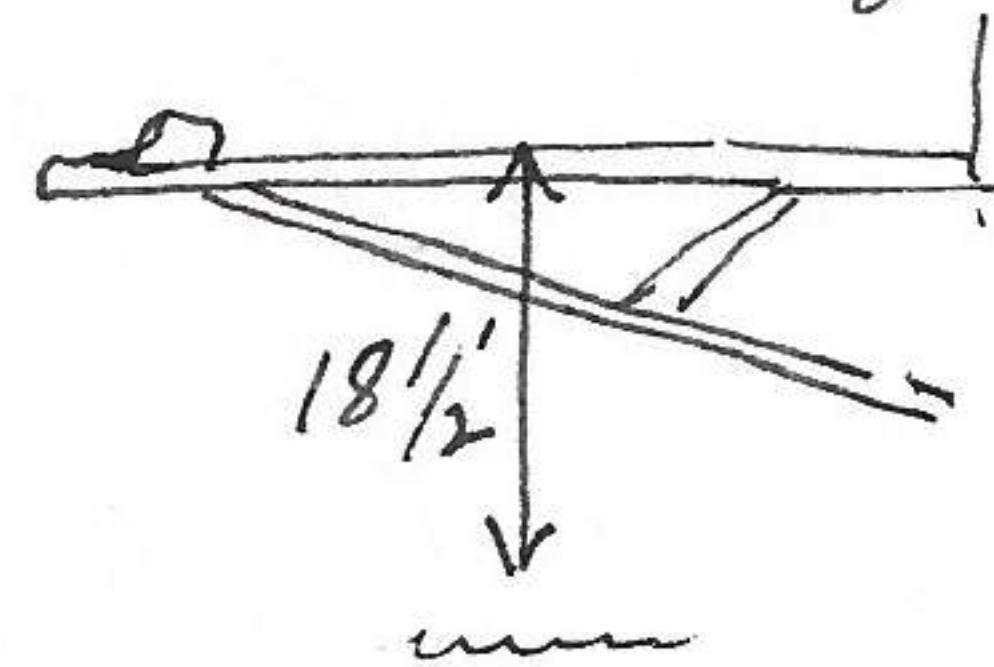


maniculatus active, 1 cardinal, 2 dead rabbits (fur only), 1 chickadee, blow flies active, one crow called in tree; great horned owl in same tree. In a few minutes 7 crows arrive from two directions; 1 marsh hawk, one cardinal ♂, one cardinal ♀. These were the only birds in the entire Haskell Bottoms spanned. Snow on n side of dike, clear elsewhere. Water in drainage canal n of dike muddy, water from Haskell clear and slightly brown, no water from main drainage canal at gate. A dead microtus ochrogaster 620203-1 ♀ measuring 161 total length, 43 mm tail, 19 foot, 12 ear from notch and 4.9 gms was dead in trail. This mouse was in open exposed part of trail between two grass clump and assumed the position of if it had died a natural death and was sunning itself at the time of death. One fecal pellet half way out of rectum. On examination of this animal found penetrating wounds on back. The body cavity below the diaphragm was highly vascularized and the large intestine enlarged to 13 mm in diameter. The liver and lungs normal but venous side of heart almost black in color. Stomach full.

Wakarusa River from Louisiana Street Bridge Lawrence, Douglas Co., Kansas to bridge n of Eudora.

February 4, 1962

Conoe trip down river to Eudora (See April 23, 1961 for route covered as this is the same route covered today) with son James Robert. Started 10:35 A.M. and arrived destination 3:00 P.M. or 13.8 miles in 4 hrs and 25 minutes. Conoe carried by current except in quiet waters. At start, temp water at 2 inches below surface in sunlight 40°F, air temp. in shade 49°F, in sun 60°F. Water 18 1/2 feet below bridge (Louisiana St. Bridge). Measurement from horizontal support of bridge. At last time we went down this river the water was 47" from this same point. Will keep total census as far as possible because of the few birds in area at this time of year. These records will be correlated with time.



10:35 A.M. red-bellied woodpecker, juncos, 4 chickadees.

10:46 cliffs to right and some ice still on face from water overflowing and freezing earlier in season. The ice was continuous or isolated on cliff. One fox squirrel ran 300 feet along bank to nesting tree (3 tree nests (cleared) in same area). There were