

June 1, 1963

of this nest. at 4/5 way noted 2 more microtine runways (all runways *M. ochrogaster*). Between poles 4 and 5 no runways. more weeds than previously and consequently more cover. 1 runway at about 1/2 way. Between poles 5 and 6 ~~none~~ 1 at 1/5 distance and 1 at 1/2 distance. a redwing blackbird and water at 3/4 way. Two runways at 9/10 distance. Between poles 6 and 7 1 at 1/10 by canal. Area mainly yellow clover and short grass. many bees. Between poles 7 & 8 none. One beyond pole 8 at edge of canal along road (Haswell Avenue).

Continued west along dike and thence S to a point 3/10 mi. E and 3 1/10 mi. S Lawrence (P.O). This area is about 80 feet SE of canal gate which drains Haswell Bottoms. at this point (see previous dates for high population of *Sigmodon*) collected three snakes.

- 630601-4 *Thamnophis* 290 mm body, 95 tail, 13 gms.
- 630601-5 " " 472 " " , 142 " , 120 gms
- 630601-6 snake 750 " " , 160 " , 145 gms

These snakes, plus a large blue racer, were all within 20 feet of each other. The blue racer and the red-sided *Thamnophis* were together in the open and no. 630601-4 and 630601-6 were under boards. This is the area of many wood planks, doors and metal roof sheeting from old shed now partly raised. Photo 630601-3 of three eggs of a redwing blackbird from nest about 200 E of snake area. ^{630601-3a} nest in marsh vegetation along water on S side of dike. Only mammal under 12 wooden structures was a *Peromyscus maniculatus*!

Haswell Bottoms, 3/10 mi. E and 3 1/10 mi. S Lawrence (P.O)
Douglas Co., Kansas.

June 2, 1963

Took several photos in Haswell Bottoms area. The above locality is the shed and water gate area in NE part of bottom. Photo 630602-1 of purple flower and butterfly. 630602-2 of flower and bumblebee. Many different species of lepidoptera & insects visited these flowers. Photo 630602-3 of shed and wooden planks or doors on ground (30 sec + 14 aperture). These wood doors and other flat structure on ground supplied the refuges for *Sigmodon* and snakes. Photo 630602-4 a redwing nest in small bush on N side dike 2 feet above ground. Along this dike