

protection. This runway seemed out of place for m.o. Two meadowlarks flew into area.

From no 5 to no. 6 pole: no runways. Least protected or grass coverage. No sunflowers except a few in shallow soil depressions or ditches. Few cattail in shallow depression. 1 ♀ sparrow hawk

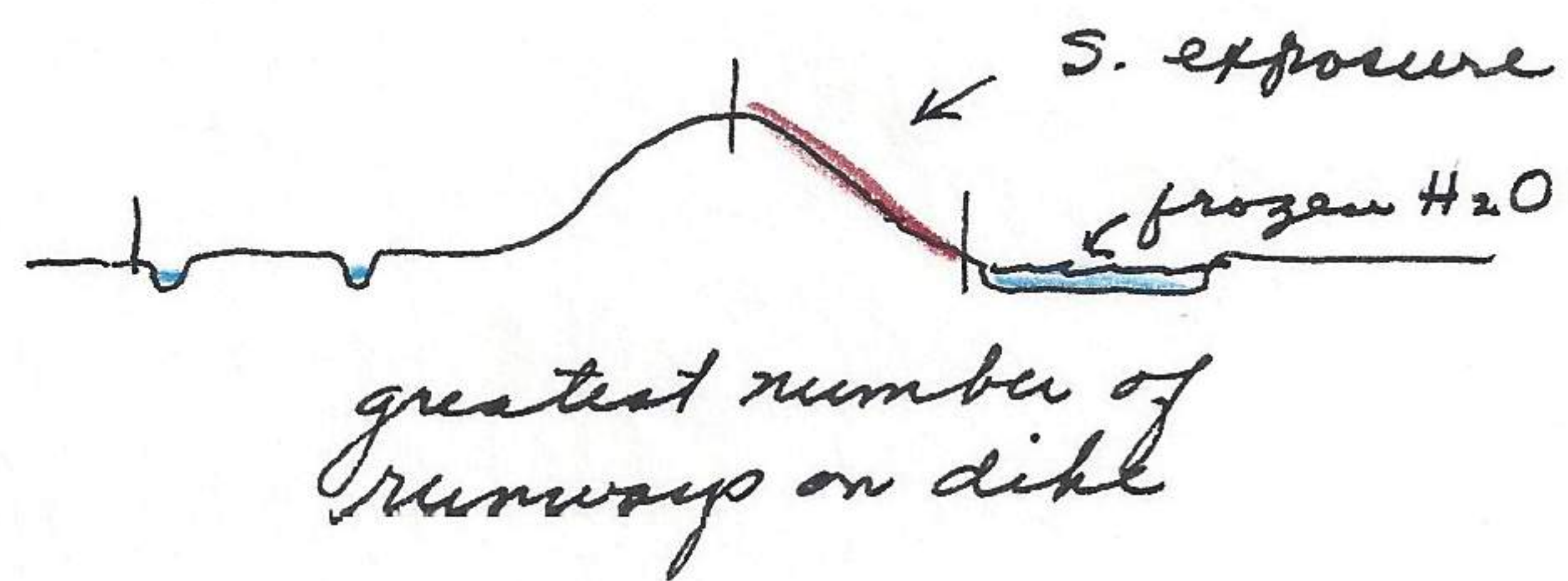
From no 6 to no 7 pole: no water in deep drainage ditch but considerable muskrat activity (previous) on banks. 2 runways of *Microtus ochrogaster* on east side of bank, on top. No sunflower stalks and grass intermediate in grazed condition between areas 1-4 and 5-6.

From no 7 to no 8 pole: no runways even in rank growth at between pole 8 and road.

General observations: Feces of cattle supported whole kernels of corn. Areas beneath feces barren of insect life. Only birds noted in area were 2 meadowlarks and 1 sparrow hawk mentioned above. Although many areas looked favorable for *Sigmodon* & *Microtus o.* only a few ^{trails} m.o. were noted. Did not see or hear microtine activity. At a point 3 1/2 mi S and (Lawrence P.O) to the crossroad to the east about 1/10 mi. on the south exposure of the dike that runs east & west just S. of the road, found runways of *Microtus o.* type at about every 5' to 10' along dike. This isolated area is definitely a focus of m.o. population. I will trap this area to determine kind and quantity of mammal.

The rest of the east west dike did not support the number of runways found here mainly because of the type of vegetation.

Most of the dike and especially the N exposure is covered with a thick high grass whereas the dike where the greatest number of runways was more open and without the ^{high} overhead protection.



Pattler's Lake, Ulow, Kansas, Lawrence, Kansas

Dec 29, 1960

Ice on lake now measures 2 1/2 inches this A.M. Children are skating on lake and have been for the last 2 weeks.

Haskell Battams, Lawrence, Douglas Co., Kansas

Dec 29, 1960

Checked birds in field at about 3:00 P.M. Day with wind from