

Along Kaw River E of Lawrence, Douglas Co., Kansas
Dec. 20, 1960 601220-52

Made trip along Union Pacific R.R. tracks from bridge over Mud Creek to bridge over Kent Creek a distance of 1.6 miles. Start at 3.65 mi. E and 1.95 N Lawrence (P.O). Kansas River entirely free of ice, either floating or solid. Some ^{ice} in small bays at edge of river. Snow on banks (N. exposures). 18 mallards in area about 200' S of mouth of mud creek in area noted previously (Dec. 19) when 28 were noted. One beaver cutting on S side of river on snow. Along track noted the following birds:

- Black-capped Chickadee. 2 along edge of river.
- Marsh Hawk, one bird. 3 horned larks on pond
- Loggerhead shrike, one bird 2 crows
- Song sparrow 6 3 Oregon juncos
- Tree sparrow 8
- Cardinal 2
- Hairy woodpecker 1
- Sawny woodpecker 1

Except at mouth of Kent Creek (bridge) when birds were coming in to roost (near sundown) there were very few birds in the or along the tracks.

Haswell Bottoms east of Atchison, Topeka and Santa Fe R.R. tracks

Dec 21, 1960

Noted 28 crows in on flock. Also one Loggerhead shrike and several Horned Larks and one marsh hawk which the crows were chasing. 8 meadowlarks fed in green field. Birdlife uncommon in fields today. Haswell Bottoms have been grazed this autumn and vegetation trampled. Did not observe any hawks in 3 miles of bottoms examined. Wakarusa R ice except occasional stretch of open water in center of river.

Kaw River, Lawrence, Douglas Co., Kansas

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Temp. of water in Kaw River at 3:30 P.M. 2 inches below surface in shade 34°F. Air temp in shade 12°F. Solid ice on river above dam. 95% of river open below dam. Ice mainly along edge of water and in shallow protected areas of slow moving water. At this stage one could use canoe for navigation but another cold night might make course impossible. Most of overflow water of dam in ice but few streams of running water.