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at the school house. 72.1 now to S. 72.4 2 blue jays flew across
the road, also 5 Cardinals and 3 flickers. 72.7 Y in road. 73.0
Cardinal. Passing by the Wakarusa River and is 95 per cent frozen
with water on top of ice, snow only on exposures and then only
small amounts. The general picture is an ice river with dry banks
immediately beyond. 73.4 ~~the~~ end of proposed dam (original design-
nation but since been relocated to Siegel School. All previous and
subsequent observations should be so interpreted). 73.8 meadowlark.
73.9 2 titmice. 74.2 12 tree sparrows. Snow only on exposures
of valley among trees where it is white and in valley only where
drifted snow has lodged in ^{some} drainage along side of road. 75.2
Wakarusa Bridge. Water low, completely frozen but with standing
clear water in middle 1/3  Snow among dense stands
of trees along river but clear and dry elsewhere. Yellow-shafted
flicker at bridge. 76.1 8 meadowlarks. 76.6 Patton Bridge.
Water flowing in 50 per cent of river where rapids occur. Water
clear and flowing approx 1 gal per 2 seconds. Considerable flow
of river showing, especially on sides. 77.6 now to W. Coon Creek
frozen in ice. 77.9 40 Eng sparrows at stock yard. 78.3 yellow-
shafted flicker. 78.7 Deer Creek. Frozen, ice white, covered with
clear water. Cardinal. 79.4 2 blue jays. 79.7 now to S. 80.0
Crow calling, yellow-shafted flicker. 80.1 Crow. 80.5 Dry Creek
dry and no ice or snow in channel. 80.7 pond low + completely
frozen. Cow dune on top of ice. 81.4 main road but continuing to S.
81.6 8 tree sparrows, 10:30, temp 50°F and about 3 degrees warmer
than at Deer Creek. 82.0 Creek, dry, powdery bed, no ice. Redtail
flew up drainage ^{2/10 mi} and alighted in tall tree (normal plumage).
82.3 now SW. 82.4 2 yellow shafted flickers. Native grass recovered
from burn of last year. Flickers are frequently observed here and
they are some distance from normal stands of trees. They feed in open
fields to S. 82.7 red-tail hawk (dark phase). 82.9 now to S. winter
wheat about 2-3 inches high, soils dry as are the roads. 83.2 meadow-
lark. 83.3 30 horned larks and 4 Lapland longspurs, 13 meadow-
larks. Two of the horned larks flew toward car as if in curiosity.
83.5 Wakarusa River bridge. Water 98% ^{white} ice with standing water
on top. Only slight evidence of melting along sides. From bridge
noted a group of birds below consisting of 12 black-capped chickadees,
10 cardinals, 20 ^{Oregon} clay colored junco? (not slate colored), hairy wood-
pecker, yellow-shafted flicker, 3 song sparrows, 7 titmice, red-
bellied woodpecker, winter wren. Continued W. 83.6 red-tail flying
W along S edge of valley and foraging the prominent knoll. 83.7
flicker feeding in open plowed field and 2/10 mile from a tree.
84.3 small valley bridge, creek from Windmill dry. 84.7 now along