

On talus slopes on S bank of E-W curve are globular to football shaped masses of surface soils (black) that have been dislodge from top of bank and formed into spheres by water and rain action. 4:05 cliffs of even stratification. 4:15 first rock barrier on S side near bend to NE. Have noticed that water in ~~boats~~ boats on land ~~are~~ is frozen solid (4" thick in some places, whereas there is very little evidence of ice associated with the edge of the river except a thin layer 1/2" on beach in protected places. 4:30 air 30°F, water 36°. 4:35 Kingfisher. 4:47 Stranger Creek, towing moved since 4:15 by electric motor. In from mouth of river by 75' was a band of ice, (20') (1/2" thick) completely across river. Conae broke ice by weight. Beyond the center of Stranger Creek open but sides in ice. At a point 150' from R.R. bridge, ice (15mm thick) covered river and stopped navigation. This thickness of ice is just a little too thick to break by conae or paddle. Made 20' advance into ice in 15 minutes. Arrived at this ice block at 5:00 P.M.



University of Kansas, Patters Lake, Douglas Co., Kansas

Dec. 9, 1968

Patters completely covered with ice.

Dec. 10, 1968

Patters Lake still completely frozen. Army Engineers have set this date as the last day for navigation of barges on the Missouri River, probably because of formation of ice or lowering of water.

Dec. 12, 1968

Patters Lake completely open. Yesterday, last night and this A.M. has been consistently 60°F and strong wind & clouds from the S. Condensation on streets and walks to standing water in some places, mainly on N exposures. This condition has caused many car accidents in the area. Because of strong winds I struck one ankle with the opposite foot twice while walking across campus. Widely placed legs may be adaptations to windy situations or ankles of animals may be adapted to accommodate such punishment. Wakarusa Valley, Clinton Area, Douglas Co., Kansas

Dec. 12, 1968

Censuses along main road from south end proposed dam to Richland turnoff. Mileage 69.6 S end dam. 73.5 Clinton. 74.7 meadowlark, 75.9 Belvoir bridge. 76.0 Crow. 76.7 now to S. 77.6 6 meadowlarks and now to SW. 8.2.9 Richland