



drainage to west; 19 tree sparrows left hedgerow and flew  
 with difficulty, these birds were not seen on trip up lane;  
 13.2 cardinal; 13.4 Cardinal; 13.5 base of hill; 13.9 horned  
 owl left road; 14.5 meadowlarks noted at (13.1) back in same  
 area; 14.6 main road, now to W; sunshine in some areas, thin  
 clouds in all other areas; 14.9 Wakarusa bridge; water  
 completely open and banks dry; no ice or snow; 15.7 now to S;  
 15.8 meadowlark; 16.2 pond on right frozen; 16.3 90 percent  
 water in creek frozen; mainly pools frozen and rapids open;  
 16.4 horned lark; 16.6 now to W; all grasses on S side of road  
 have been fired, normal growth on N side and should be  
 tested to see if there is movement of mammals from burned  
 field; 17.1 crossroads, now to S; 18 tree sparrows, 12 juncos and  
 2 cardinals feeding on burned sidehell at the 4 corners; now  
 snowing with snow blowing almost horizontally from N.W.;  
 17.7 3 horned larks; 17.8 Wakarusa bridge, crow on log in  
 river, no ice or snow of any kind; water slightly greenish  
 but mainly clear, (9:15 A.M.); <sup>clouds of</sup> plowed fields of fall are now smooth  
 and flattened out (fall = , now );  
 from frost action and wind. 2 horned larks left road; separated  
 by 50 feet; 18.5 2 horned larks together; 18.6 small bridge;  
 19.0 now along river, no snow on ground but it has been  
 snowing on and off all morning; 19.3 now to S, 2 horned larks;  
 20.1 Wakarusa bridge (passing by); 21.8 Crossroads now to W,  
 20 Eng. sparrows at stock yards, 2 starling. at Elk bridge just  
 to W counted 22 male, <sup>(both ♀ and ♂ will yellowish eyes)</sup> and 30 female rusty blackbirds and 1  
 male returning in one flock, they were feeding in ripples of open  
 water between frozen pools of Elk Creek. They were turning the  
 submerged leaves over. They then flew <sup>up</sup> to side of creek among  
 bordering trees and worked over the dry leaves on the ground;  
 21.2 2 cardinals flew across road on hill side; 24.4 small  
 sparrow; 22.6 top of hill and now down into valley; small bridge  
 with open water filled with leaves; 23.2 sail red in this area; 23.6  
 marsh hawk sailing with difficulty because of strong winds;  
 24.1 center of Richland at 9:40 A.M.; sun shining but snow in air;  
 24.6 bridge, water open; 25.2 meadowlark, 25.5 now to E; 26.0 now to N;  
 26.1 pond to right open; 26.7 6 goldfinches; 26.9 12 tree sparrows;  
 27.1 turned around, 22 meadowlarks on lawn of farm, this  
 same lawn has supported large flocks of meadowlarks on  
 previous trips this winter; 28.0 horned lark; 28.2 now to E;  
 28.3 7 meadowlarks; 34.4 <sup>0</sup> four corners now to S, at this turn