

approx $3/10$ of a mile in diameter with a tendency for slight elongation in same axis as beach but all ^{and above} ~~above~~ ^{NNE} of the dunes. These birds moved NNE. Some hawk after the mass numbers but tapering off more abruptly than was the build-up to the mass aggregate. By 8:10 most of the hawks had passed by but a few were seen up to 8:45 A.M. generally in 2's, 3's or groups of 5-6. Observed 1 hawk (Swainson) to sail SW for $4/10$ mile, then turn and sail NNE. It was interesting to survey NE and see no birds and then in a minute or so check NE again to find Swainson hawks in small groups circling, having not observed any Swainson hawk pass NE overhead. It made me speculate that these hawks may have been migrating high over the Gulf of Mexico and as they approached land came down, ^{unnoticed} to the height that I had been observing them. Observed a 5' yellow-bellied water snake on dunes that had grown to vegetation + 1 yellow-headed ^{blackbird}.

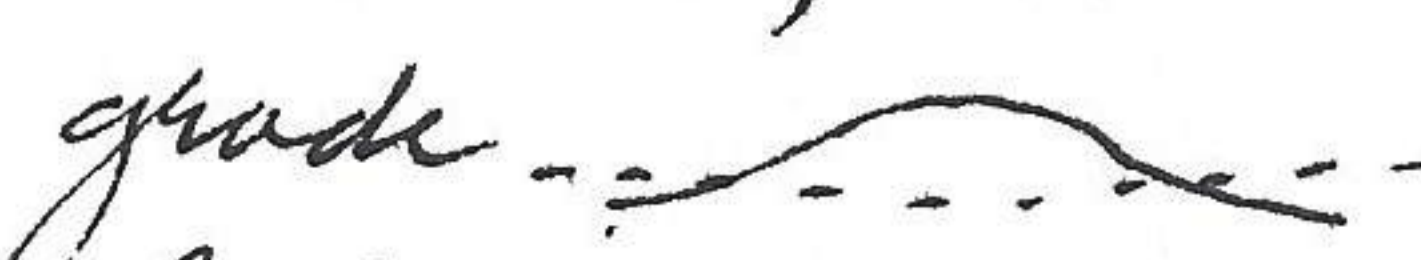
Spent the afternoon in Corpus Christi. At sailboat marina Photo 830423-1 of sailboat with improvised flat house over center cockpit.

N/E Photo 830423-2 another sailboat with dog house.

Photo 830423-3 Silver Miss, a yacht with berth along side.

Photo 830423-4 Full length view of Silver Miss, visited museum and then returned to Padre Island via Ocean Drive, arriving at 3008.3. mileage

Padre Island National Seashore, Kleberg Co., Texas
April 24, 1983

made 1 hour trip at 8:00 A.M. NW of dump on other side of dunes, ^{$3/10$ mi.}
Observed 1 Cooper hawk, common night hawk, 4 meadowlarks, a ⁽⁸⁾ sparrow that flew up and continued at least 200' before alighting again in contrast to those that jump up and right down again, 1 barn swallow per ^{1/2} minute, all migrating NE from edge of water to at least $3/10$ mi. NW, lark sparrow, 28 laughing gulls either flying N or NE, 3 snowy egret, one gopher mound $1\frac{1}{2}$ bushel capacity and others in all stages from new dirt to dirt smoothed flat and vegetation removing, tracks of 13-lined ground squirrel common, their trails crossing sand piles and attacking some grade  or channelled from use, kangaroo tracks and holes, black swallow-tailed butterfly 1 per minute, 23 sceloporus-like lizards, 1 marsh hawk.

On S side of dunes along shore are: (at one moment, 5 minutes)