

ruddy turnstones, redwing blackbirds, meadowlark, great blue heron,
 sandpiper, willet, western & least sandpiper, ring-billed gull, Forster
 Tern, Coot, ^{wilson's snipe}, song sparrow, laughing gull, Herring gull, spotted
 sandpiper, dowitcher, dunlin, I have noticed that when
 individuals of the same species are feeding on the beach and in
 the water along the beach, the ones in the water appear larger.
 Ruddy turnstones turn stones over and when excavating do so by
 a shoveling effect up and out. Ruddy turnstones are replaced
 by willet at these excavated holes. Also meadowlarks and
 dowitcher also displace ruddy turnstones at the excavating sites.
 These pits are being developed in beach debris at the angle of the
 bay and then perched by the larger birds for further excavation.
 The sandpipers work over material that are excavated by other
 birds & thrown beyond the pit. Ruddy turnstones displace sandpipers,
 and at times the original excavators the ruddy turnstones are
 excluded from all the holes. Coot displaces all shorebirds.
 Sandpiper fight each other by tramping one another on the back,
 holding wing or feather in bill. There is considerable crouching
 and 4 inch studdoffs in sandpiper as well as chasing each other
 either on the ground or in flight. Pintails, scaup & redheads
 in open water in bay. Caspian tern occasionally rests on
 sandbar in bay along with Herring & ring-billed gulls. Noted a red-
 wing blackbird displace a golden plover. With smooth lake
 and foggy day the ducks seem to be swimming in the sky. Killdeer
 walked thru the angle of the bay that was being excavated and
 did not seem to be interested in the excavation made by the
 ruddy turnstones & used by the other kinds of birds mentioned.
 Kingfisher occasionally fly up & down the beach area. Forster
 Tern and pipit in area. Meadowlark uses pits. Birds used
 the excavated area to at least 12:30. Temp 1:00 72°F. and expected
 to go to 82°F. Spent the afternoon at Felton and Rockport and visited
 Floyd Bailey (Dennis' father & mother) at Felton. Checked birds
 at refuge and observed mallards, pintails, scaup, coot, redheads,
 canvas backs, pied billed grebes, buffleheads, goldeneyes, great blue
 herons, Louisiana heron, herring, ring-billed laughing gulls, long-billed
 curlew, and perhaps others that I can not recall (recorder went out
 at this place). Checked boats & returned to Goose Island.

Goose Island State Park, Texas

Jan 6, 1978

Min. temp last night 54°F. Expected to go into the 80°F today but
 at 9:00 A.M., foggy and cool.