

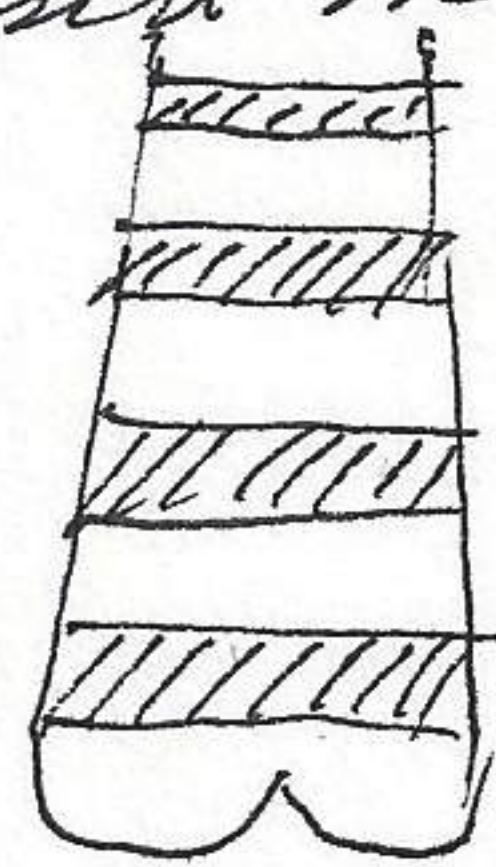
and at a great speed in erratic flight to points completely out of area. This occurred with the hawk still in pursuit of sparrows in the pine tree. The last sparrow to leave the tree flew to hedge followed by the hawk. The sparrow escaped. The hawk then flew to limb ^{8' high} in tree 20' from hedge and remained 1 minute, thence to fence at edge of hedge for 2 minutes and then left the area. While in tree establish length of bird as 13". Eye yellow, ♀. Tail slightly rounded when stretched open but square when closed. Temp. 26°F, sky clear.

Dec. 26, 1981

Sharp-shinned hawk sailed into yard from S. at 4:10 P.M. all birds left area. Length 13" (from markers on limb measured later). Tail when perched on limb thus:

Birds at feeder prior to arrival of hawk:

- | | |
|---------------------------|-------------|
| 80 English sparrows | |
| 6 starling | |
| 4 goldfinch | |
| 1 downy woodpecker. | 2 bluejays |
| 2 slate-colored juncos | 1 cardinal. |
| 1 black-capped chickadee. | |
| 1 white-breasted nuthatch | |
| 1 red-headed woodpecker | |



Dec 27, 1981

On basis of average numbers of species of birds at feeders:

- | | |
|-----------------------------|-------------------|
| black-capped chickadees (2) | 6 times a day |
| slate-colored juncos (1-2) | per day |
| downy woodpecker (1-4) | times per day |
| white-breasted nuthatch (1) | 4 times a day |
| red-bellied woodpecker | 1 every other day |
| blue jay (1-4) | 8 times a day |
| cardinal (1-2) | daily |

no pine siskin so far this year.

no tree sparrows whereas last year 15-20 in area all the time.

- | | |
|----------------------------|----------------|
| goldfinch (8-12) | 12 times a day |
| no white-crowned sparrows | |
| no Harris sparrows | |
| no yellow-shafted flicker. | |