

Notes taken in correlation with Mr. Pettingale.

Nest found July 27. on ^{dunes back of Mess Hall -} (East shore of North Sucker Bay) about twentyfive feet from shore. The nest was on the ground made of pine needles and over hung with *Pteris aquilina* and *Vaccinium pennsylvanicum* - There were three blue eggs in the nest. Mr. Pettingale made the color determination.

On July 30 a blind was built by Mr. Pettingale. It was a large blind made of aspen poles and covered with burlap. The dimensions were about 5 by 6 ft and 4 ft. high - Placed about 2 1/2 ft from the nest.

The following notes were taken from that blind.

July 30

5:20 Entered blind at 5:20 PM. - cloudy - nest and eggs undisturbed - Eggs not pipped. Bird not on or near nest.

5:25

Bird comes back to nest, flies about in near branches she utters soft "quits" - At the same time a thrush is singing in woods - I heard a "quit" very near nest but she does not enter

5:30

A crow comes near and she draws away into the woods but soon comes back lighting very near the nest. Hops to within a foot of nest and then flies away to a bush near by. She repeats this performance several times - uttering notes of alarm now and then. She sees me and swells but her throat and breast and utters a soft "quiver-r" and flies away.

5⁴⁰ So far she has taken the same path as she has
nearly every time. Five times she has flown directly
to within a foot of the nest.

5⁴⁵ Begins to rain.

Bird comes back and gets on nest quietly but stays
only a minute

5⁵⁰ Raining Hard.

She comes again to nest but does not stay long.

5⁵⁴ She enters nest from left side - I didn't see her but
saw the Pteris shake. She leaves soon but comes back
in 2 minutes - she gets on nest and remains perhaps
four or five minutes - Bird leaves but comes back to
nest soon and I can hear wings of another bird while
the first parent is on nest. It is rather dark and
couldn't see the other bird - The sound of the
rain on the roof seems to make (her)? nervous. The
rain also makes it hard to distinguish her movements
- movements by sound.

6 - I leaned forward carefully so that I could see better
still she flew - She seems sensitive to every slight
movement I make.

6⁰⁴ She comes back and another bird seems to be with
her - One stands near the nest while the other is on it.
The one by nest leaves - Both birds wet can't distinguish
markings -

6¹⁴ Bird leaves nest and comes back in 2 minutes
to Hermit is singing about 100 feet away - She comes back
to nest but doesn't stay.
6³⁰ She comes back and stays 6³⁰ kept blind.

July 37-

Hermit Thrush.

- ^{6:10} measurement of eggs - by Mr. Pettingale.
Eggs all pipped - all crushed outward - One hole slightly larger and whole egg has crushed appearance - all pipped on large end and to one side.
- ^{6:30} Entered blind - Raining -
Bird comes immediately to nest altho we hadn't seen her about while measuring eggs.
- ^{7:45} people pass on beach talking - she appears nervous and raises herself on the nest - she then settles down again.
- ^{7:55} Gives a soft "quint" and turns eggs with body.
- ^{7:00} She stands up puts her head between her legs under her body and arranges her eggs and settles again.
- ^{7:04} Again, she arranges the eggs with her bill and turns her back to the blind. When ever people pass on beach she appears very suspicious.
- ^{7:08} I stood up in blind and she flew away.
- ^{7:16} She comes back to nest with no apparent shyness.
- ^{7:22} She stands up and picks open one egg - she swallows the smaller pieces and flies away with the half shell - I opened the hole better to see her and when she came back she saw me and flew to a bush near by but came back soon.
She pecked a bit more and then settles on nest again. at 7:27

728 Only a minute and she rises picks up the shell - fairly pulling the young one out - picks up the empty shell and flies away. She is back again almost immediately and stands at the edge of the nest - The little one squirms and opens its mouth. Mother moves him about with her bill - and puts her bill down her throat once - She then settles on nest.

737 She stands up looks under her and settles down again occasionally - She utters soft "quits" but is usually silent - Her mate hasn't appeared on the scene of action - She keeps wiggling her body.

738 The young gives a decided cheep. It is kept up almost continuously for about a minute - mother stands up and the young squirms about and starts to cheep again - This cheeping continues on and off for several minutes

744 Bird flies away for some unknown reason. The young continues to squirm but stop cheeping. The reason ^{now} known for her departure - She brings food in her bill and feeds young at 746. She puts her bill into his 4 times and then she gets on the nest. and he starts cheeping again - He was fed when he was 18 minutes old - The kind of food, I couldn't make out it was too dark. - It was soft and could be fed in pieces - It could have been a larva -

800 She goes but is gone only 1 minute and comes back again with food. She puts bill into his mouth 4 times. She held the food all in her bill - Each time she stopped

her bill before feeding him.

7⁵² Gone again and back in 1 minute - With something in her bill - large enough to hold her bill open - She gave the young two feeds and flies away with out getting on nest. Woman like she preens her feathers when in this exciting moment.

8⁰³ She leaves the nest and I go out to see which egg hatched - no 1. hatched - She comes while I am there - She is very much excited and flies about me. She often gets within a foot of me. As soon as I leave she comes to nest - She flies about trying to find where I have gone and then leaves for 6 minutes.

8¹³ She comes back on nest and altho she seems a little nervous settles down on nest - The other eggs are not broken more than they were at 6³⁰ - Young seems to be felled anyway there is no more cheeping.

8¹⁵ Cheeping begins again, mother leaves the nest - It is getting decidedly dark - Young stops cheeping when mother leaves the nest.

8¹⁷ mother comes back and feeds young 4 times she gets on nest and I leave at 8²².

Egg Hatched	Time of feeding	Space between feedings.	Time of nest	Remarks
7.28	—>	18 min.	2 min.	
7.46	—>	5 min.	1 min.	The last two spaces between feedings and time of nest were increased because I visited nest.
7.51	—>	2 min.		
7.58	—>	24 min	10 min.	
8.17	—>			

Young feed when 18 minutes old.

Average space between undisturbed feedings $4\frac{1}{2}$ minutes.

Average length of nest - 4+ minutes

Feedings 1st day of Birds life.

Hermit Thrush.

July 28, 6³⁰ P.M.

Three young - Mr Pettingale watched last one hatch in
early morning hours.

6³⁰ mother comes back and feeds the young bird a
larva and hovers there.

6⁴⁰ leaves nest for food.

6⁴⁷ she feeds a young a mayfly and gets on nest.

6⁵⁵ she leaves nest.

7. she comes back young another larva. she divides
it between the three young.

7¹⁰ gone again

7¹⁵ she comes back again with food and gets on nest.

7³⁵ leaves nest.

7⁴⁵ feeds young.

7⁵⁰ left blind.

Time of feeding.	Time between feeds	Time of nest.
6 ³⁰ —————>	17	7 min
6 ⁴⁷ —————>	13	5 min
7 —————>	15	5 min
7 ¹⁵ —————>	25	5 min
7 ⁴⁰ —————>		
	ave 17.5	5.5 min.

Record of 2nd morning feedings

July 29

7⁵⁵ A.M.

Bird is feeding young when I arrive - She is much less shy than on former days.

8⁰⁰ Feeds young again

8¹² leaves nest.

8²⁵ Feeds young.

I have noticed that when ever she has feed young she looks over the nest and eats all the excrement, never carrying any away.

8³⁵ Bird leaves nest.

8⁴⁵ Feeds young & insects. - One of the students came by within 3 feet of nest and she did not seem to be nervous - I opened the door of the blind and whistled but did not disturb bird.

9⁰⁰ Bird leaves nest.

9¹⁵ There is some comfort to us humans who try to feed young birds - The mother bird often has to make several trials before she gets the food into the young. She came back with a very large larva and puts it into or childe throat. It was so big that it stuck way out. She tried each of the others in turn and then came back to first - She pulled off a piece for each of the others and finally with much effort - she stuffed baby swallowed the remainder - gets on nest

9²⁰ - She utters a soft "quit" to young

July 31 - Hermit Heron.

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6³⁰ to 8²⁰ p.m. (left my watch at camp)

6³⁵ Female comes to nest and feeds the young.

6⁴⁰ male begins chucking in tree near the blind. He circles blind. He makes a "yeap-yeap" call between his chucking. Female leaves nest - male comes very near gets on stump - on lake side chucking - Both leave vicinity - after several minutes a soft cheeping begins in the distance - and female is on nest - she came so softly I didn't hear her.

Male comes near by - It starts raining -

Female turns with head away from blind. male makes yeaking sound in distance.

Female stands up and looks at young with tail still toward blind.

Rains hard -

Chucking near the tree again and the female seems very nervous. male makes several loud yeaks and female flies away

after about a five minute period of quiet. chucking begins again - This seems to be a sign that female is approaching the nest - she gets on to nest but stays only a short time -

a long silence.

male feeds young -

XI

Female feeds young

She goes on nest - sky still peak in west
altho the sky is all overcast.

10 minutes later female comes back to nest -

she remains - I can just distinguish the nest
The Whip-poor-wills have begun singing.

8²⁰ Still on nest - I used flash light and this
does not disturb her.

note

Some thing destroyed the young birds during the
night of Aug 1. I have used the terms male and
female incorrectly as we have no proof that the nesting
bird is the female - One bird did all the nesting
and most the care of the young. The other bird
came to nest and fed young after they were
a day old.