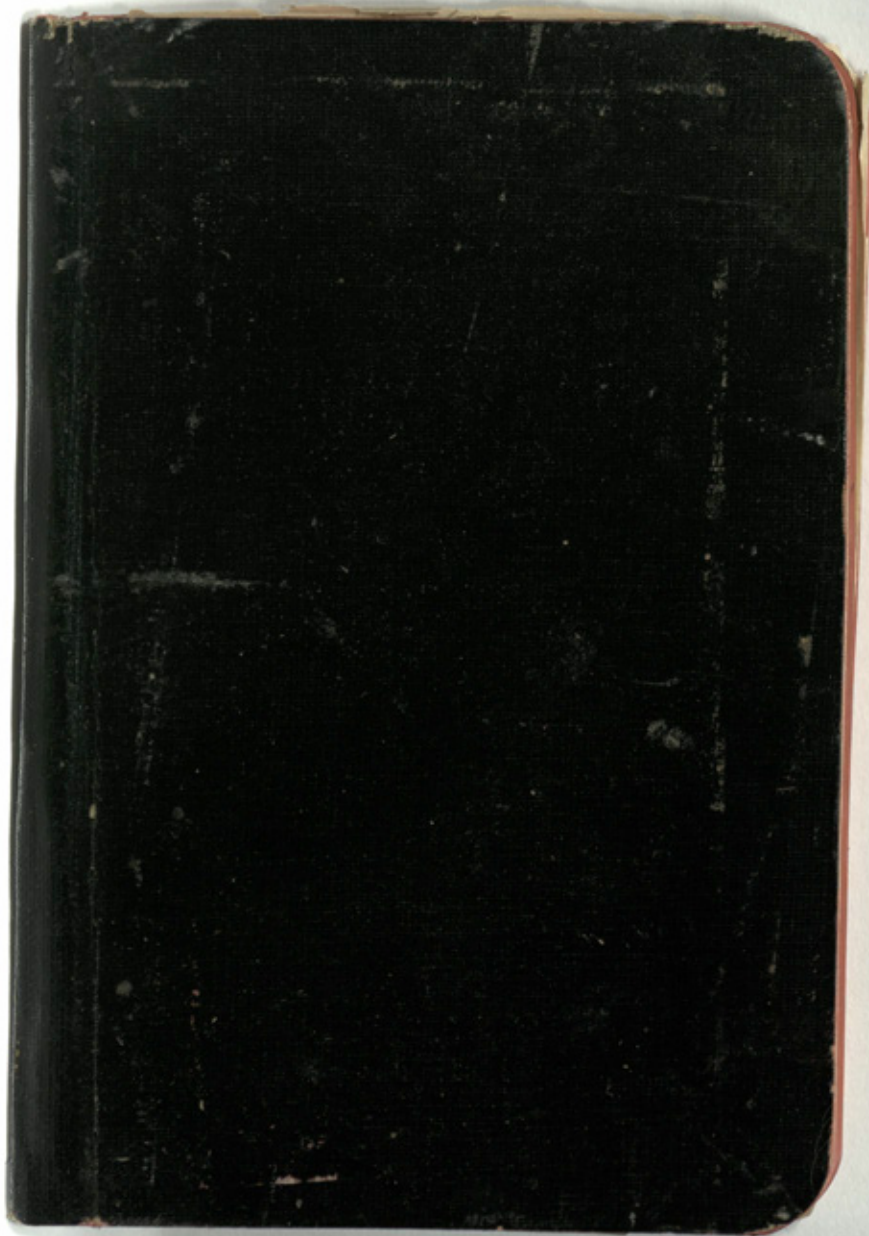




W.C. Tanguay

Biological experiments at
Umanak, N. Greenland, summer
1914.

Exp. # 1.

May 22, 1914.

Two larvae (Lepidopterous) col-
lected to-day and placed in jar
for rearing. To be kept under
natural conditions

May 27. More larvae were col-
lected to-day & placed in with
these. (See notes).

June 21. Four larvae were killed
to-day in ~~to~~ hot water and
preserved as acc. #58.

Exp. #2

Umanak.
May 27, 1914

~~Larva (same as in exp. #1)
placed in jar for rearing.
To be kept on my desk
where it is warmer than un-
der natural conditions.
May 23. Another larva added~~

Exp. #2.

Two lepidopterous larvae (same as in exp. #1) collected to-day were parasitized. I place in a large vial. To rear parasites.

Exp. #3.

Umanak, Greenland.
May 27, 1914.

Lepidopterous larvae collected to-day & placed in wooden box for rearing. May be the same as in Exp. #1.

Exp. # 4

Umanak. Gr.

June 1, 1914.

Four dipterous pupae (puparia), collected to-day by Eustis, myself.

Place in a small glass vial.

Exp. # 5.

Umanak.

June 1, 1914.

Twenty puparia, collected to-day by Eustis.

Place in small vial.

Exp. #6.

Umanak, Gr.
July 1, 1914.

Six dipterous larvae, collected to-day, & placed in small vial with moist earth.

Exp. #7.

Umanak,
June 1, 1914.

Two lepidopterous larvae collected to-day. &

Placed in small vial with moist earth. & cotton.

Exf. 8

Umanak, Gr.
June 1, 1914.

Chrysalid found under
a flat stone near house
at Umanak. Place in vial.

Exf. 9.

Umanak, Gr.
June 1, 1914.

Two noctuid larva, col-
lected to-day under rocks.

Place in tin condensed
milk can with grass &
earth.

Exf. #10

10

Umanak,
June 1, 1914

Forty dipterous larvae, collected to-day under flat rocks.

Place in tin box with some earth from which they were taken.

Ten of same ~~box~~ killed by boiling and preserved in vial of alc. as acc. #. 23.

July 26. Several flies emerged.

Pinned as acc. # 150 + 151.

Puparia in vial as acc. # 152.

(11)

Umanak
June 1, 1914

Exf. #11

One small lepidopterous larva, collected to-day, found lying near a rock.

Place in a vial with some earth and a piece of the plant to which it was nearest.

Ex #12

12

Umanak,
Greenland

June 6, 1914

Five dipterous larvae collected June 4. under rocks near Umanak.

Place in a vial containing some moist earth and stoppered with cotton.

13

#13,

Umanak
Greenland

June 14, 1914.

Several dipterous larvae, found working in seal skin (*Phoca* *gottida*). Place in tin can with some seal meat. To rear for specimens.

I preserve a few by boiling in hot water and putting in 70% alc. as acc. # 42

Exf. #14

(14)

Umanak

Greenland

June 10, 1914

14

Two lepidopterous larvae
found by Mr. Ekblaw, working
on the Saxifrage oppositifolia.
Place in Syracuse watch glasses
with Saxifrage.

(15)

Umanak

Greenland

June 17, 1914

1914.

Several small dipterous pupae
found in moss at Saunders Is.
on June 15.

Place in vial with some moss.

One larva pupated June 21. The
others died.

July 23. Adult emerged. Pinned
as acc. #131.

#16

(16)

Umanak
Greenland
June 19,

Chrysalis brought to me
June 16, by an Eskimo. Same spe-
cies as the larva in exp. # 11.

It had just gone into the
Chrysalis stage when brought in.

Place in small screw capped
bottle.

#17

(17)

Umanak
July 24. 14
MCT.

Larvae - just hatched from
eggs laid on willow. Eggs $\frac{1}{2}$ mm
long; white, corrugated surface.

Two larvae hatched to-day, the
other one July 22.

Other larvae will be added
to exp. if obtained. Place in
a vial on willow.

(18) Unanah
Greenland
Melt

Three leaf larvae, orange
gid, & about 1 mm. long
found on willow leaves &
in willow catkins.

Place in vial on willow.

(19) Unanah
Greenland

Small, dipterous larvae
found among galls of
marsh room. White, body &
black head. Circular & about
1 mm. long.
Place

(20)

Ummanah
Greenland
July 26, 1914.

Moeth, captured July 25, is placed inside glass jar, to get eggs. Small willow twig placed inside.

July 27. Moeth has laid about 18 eggs in a bunch on the willow twig.

The egg is of a very pale yellowish green color, almost white, and of the shape of a somewhat flattened dome. It sticks by the base of the dome to the twig or other eggs. The surface is thrown into ridges which run from the base of the dome to the apex or near the apex. The greatest diameter of the egg is just 1 mm. The sides of the dome are somewhat drawn in at the base - onion-like.

July 28. Twenty five more eggs laid on twig.

July 29. Nine more eggs laid. Moeth dead. Moeth pinned as acc. # 157.

First bunch of eggs laid, is turning darker; somewhat pinkish.

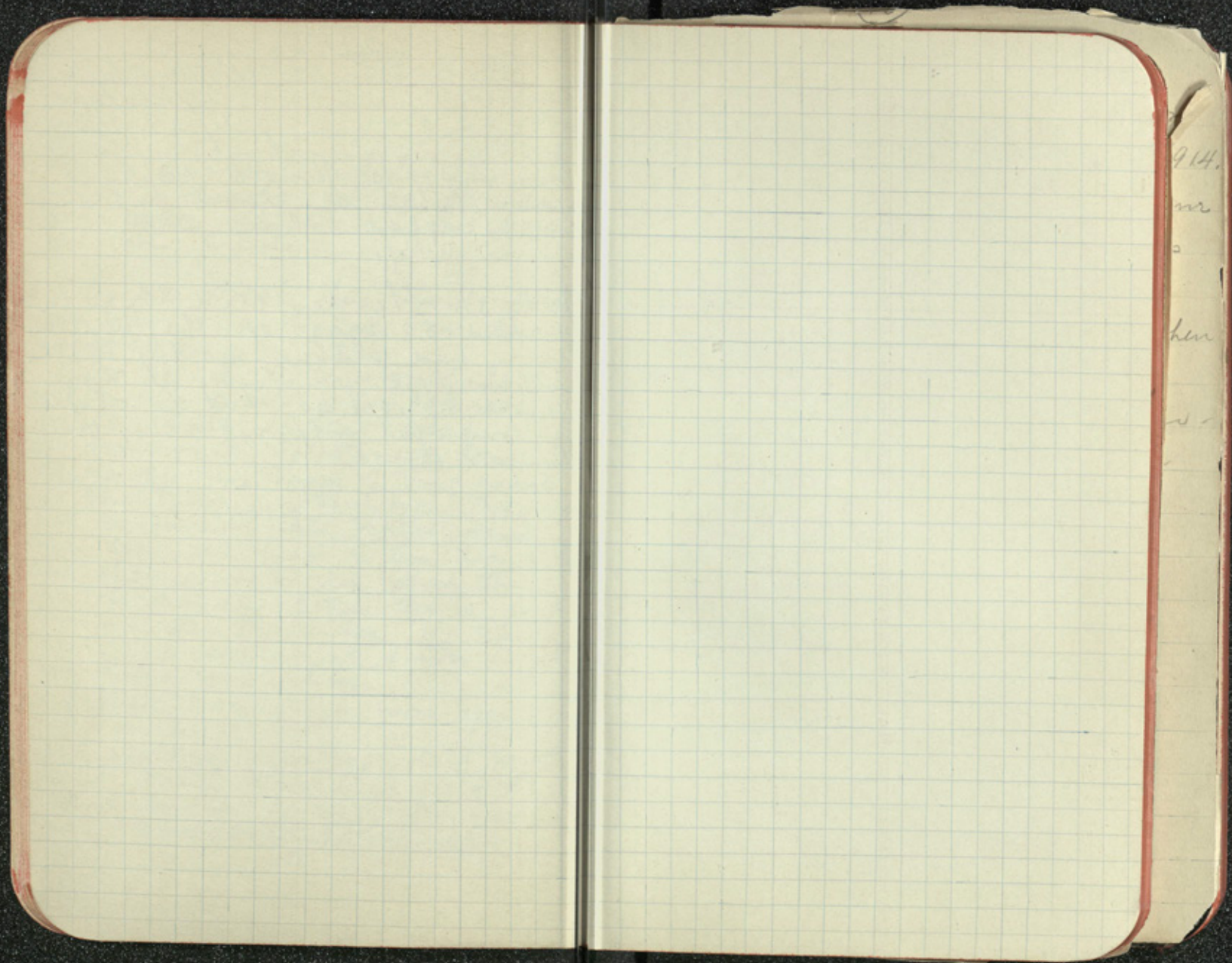
(21)

Ummanah
Greenland
July 29, 1914

An Argynnis female captured color today is placed inside screw capped bottle with willow twig.

July 31. She has laid between 40 and 50 eggs on the willow leaves and catkins, mostly on the catkins. Eggs same color as those of Moeth in exp. 20, but the shape is somewhat different being more elongate. ①.

Some of the eggs are put up in alc. as acc. # 164.



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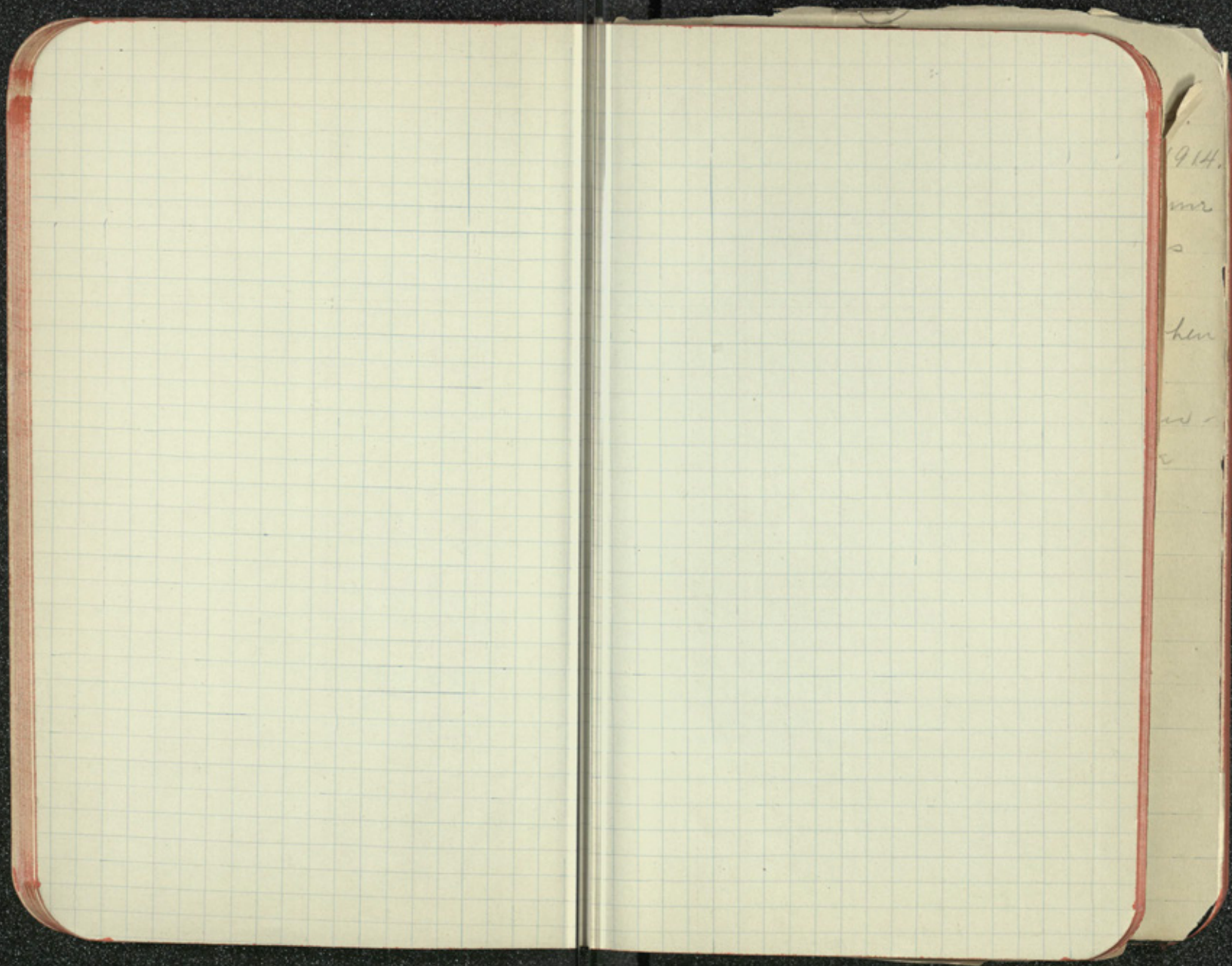
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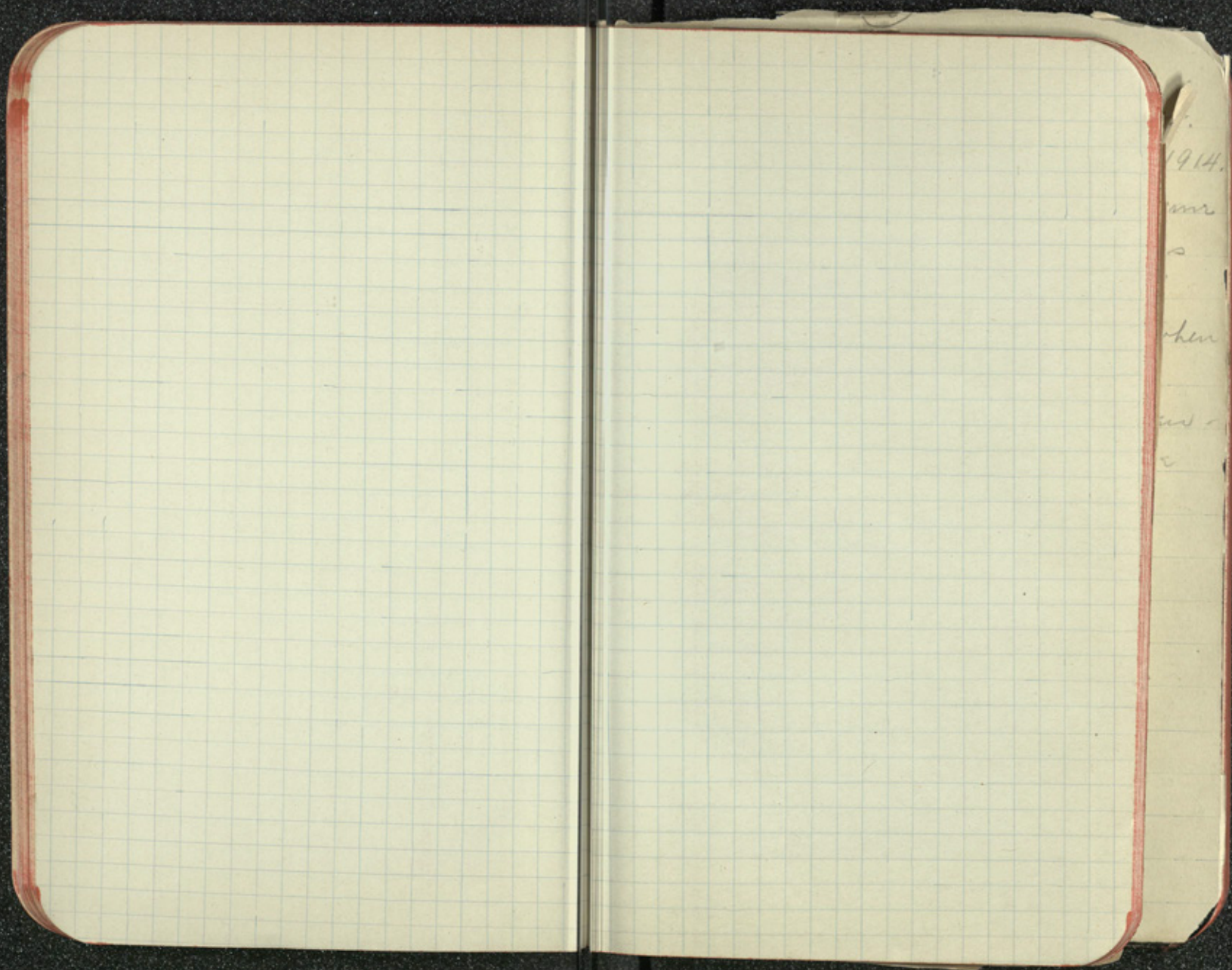
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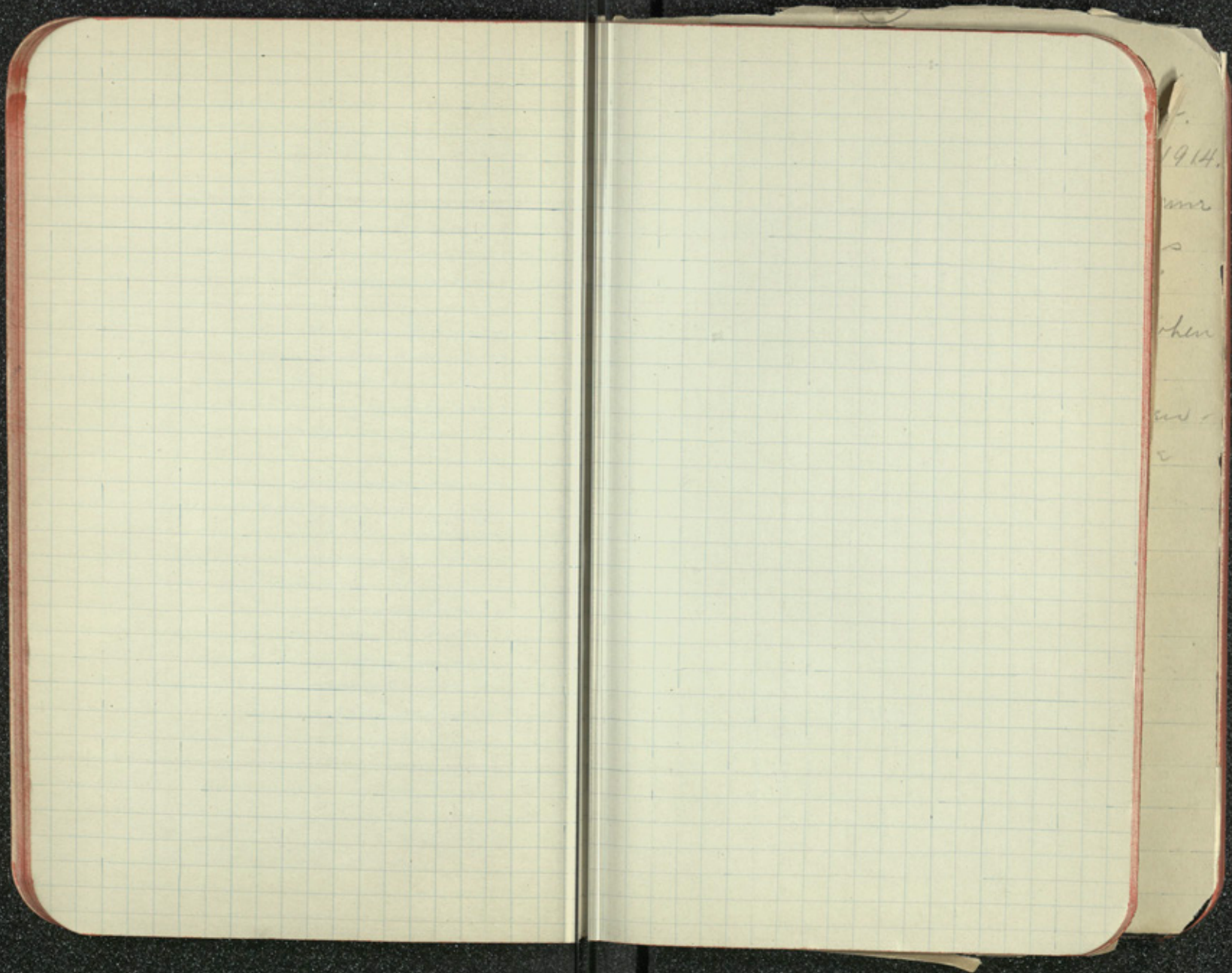
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#15

Umanak, Gr.

June 17, 1914.

Chrysalis brought to me June 16 by an Eskimo. Same species as in exp. # 11. It had just gone into the Chrysalis stage when brought in.

I place in a small screw-capped vial bottle with some moist earth.

Zoological material brought
in, and by whom brought.
Navahrahnah.
Apr. 22. 1 *Dasychira* larva

Kardahswah

May 22. 1 *Dasychira* larva

" 27 4

"

"

Eastree En-shu-tuh

May 23. 1 *Dasychira* larva.

" 27 5

" 27 7

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Inuitak

May 27 - 6 *Dasychira* larvae

Emenia - (Kulalingua's bay)

May 27 - - - 9 *Dasychira* larvae

C-mow-net-tik
May 27... 1 *Dasychira* larva

