

12 Jan 1967  
(12-16 Jan 1967)

Mokapu Pt. Hoff

Huber & Hoff  
1830 - thur 12 Jan 1967

RFB - <sup>Time</sup> 1830  
650 ± 10%

Sooty terns swirl  
of ca. 1000 birds  
over Moko Manu

---

vegetation very heavy  
rain yesterday standing  
water was present

Fri. 13 Jan.

150 G. Frig circling  
Moko Manu

Fri 13

Calm sea no  
wind - rain in  
daytime

750 ± 10% 1830

two <sup>large</sup> feral cats were  
seen in the colony during  
banding operations

Sun 15

750 ± 10% 1830

color marked individuals  
were scattered at random  
(roosting)

in the colony

different from Palmyra

Thurs. 12 Jan 1967

Sera Species

Age-Sex

1 RFB

A-U

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

1966

1966

1965

1964

1965

all  
collected  
examined

Color Phase

Band No.

Light ✓ 767-504 38 ①

(Not ours) ✓ 797-89503 1

39 ②

(Not ours) ✓ 797-89521 2

40 ③

41 ④

July Ad. ✓ 767-48558 3

June Ad ✓ 767-47058 4

July Ad ✓ 587-80377 5

43 ⑤

42 ⑥

Feb Ad ✓ 757-60794 6

767-42883 7

June nestling 44 ⑦

45 ⑧

46 ⑨

47 ⑩

48 ⑪

19

↓

↓

20

21

22

23

24

25

26

27

28

29

30

|

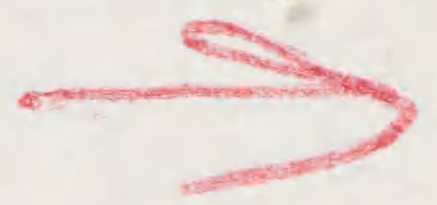
49

(12)

50

(13)

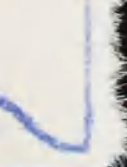
Mon, Jan 16



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

RFB

Ad-



Sooty terns calling

~~Butter-heads~~

few



light

✓ 757-60937

✓ 587-80370

Boatmen

51

52

53

54

✓ 767-42925

✓ 757-60608

✓ 757-60820

55

R-F numbers ca. 500

Dawn Tue. Jan. 17

~~no~~ birds in colony -

strong moonlight last night

Molon Mame bare.

Mon Jan 16

Dark phase RFB

seen 2100.  $700 \pm 50$

Tue Jan 17 -  $200 \pm 50$

Wed. Jan 18  $200 \pm 50$

Mass movement of  
RFB 07:05

1800- all Mongeese will  
be weighed

Thurs Jan 19  $500 \pm 50$

Fri Jan 20  $100 \pm 50$

Fri 27 Jan  $600 \pm 50$

Sun 29 Jan  $200 \pm 20$

25 RFB color - marked

~~20~~ 16 Banded + 9 returns

Sooty tern swirl has  
increased greatly  $\approx 10,000$

~~Mar.~~ Mar. 1967

MOKAPU POINT

Tue. 14 March

Moku Manu

Sooty terns sitting  
on ground

counted 614 RF Birds  
at 1800 - most appear  
to be on nest or  
territories

Wedgetail Shear waters noted  
chained - just off of Moku  
Manu

1810 - Arrivals to  
Mobyane point

8 Ad Ad/WNM 2 Imm.

2 2

3 ~~hatched~~ mat. ~~2~~

1

1

3

2/WNM

2/WNM

2

1820

stures,

14 March

1820

Ad  
~~||||~~ ||||  
~~||||~~ |||  
~~||||~~ |||  
~~||||~~ |||  
~~||||~~ |||  
~~||||~~ |

Ad

(42)

other way

~~~~~  
~~||||~~ ||||  
~~||||~~ ||||  
~~||||~~ ||||  
| (31)

stop 1835

WNM

||||

||||

||||

||

(17)

2 men,

||||

(5)



||

(2)

Sunset 1841

14 Marsh Red-Foot

Sunset

647 total

25 immatures in

small area

+ 41 + 25 + 10 + 3

Sky pointing & flying  
w nesting material

---

10 after sunset

432

375

807

no cloud

cover



apparently

one dark phase / one  
light phase  
paired

Sunday . 19 March 1967

1200 - one mongoose &  
one cat grey & white  
ringed tail.

one of last moths  
painted birds

19 March 1967

1820

Dark ~~light~~ overcast

| <u>Ad.</u> | <u>S. Ad.</u> | <u>Imm.</u> | <u>Ad/Nest</u> |
|------------|---------------|-------------|----------------|
| 5          | 2             | 111         | 1111           |
| 5          | 1             | (3)         | (5)            |
| 1111111111 | (3)           |             |                |
| 1111111111 |               |             |                |
| 1111       |               |             |                |
| (24)       |               |             |                |

Toward Nelson Mamm

|            |   |  |  |
|------------|---|--|--|
| 1111111111 | 1 |  |  |
| 1111111111 |   |  |  |
| 1111111111 |   |  |  |
| (15)       |   |  |  |

Fr. 24 March  
medium whale in  
channel between  
Mobern Manu &  
Mobern Point

Sat 25 - 2 mongsos  
marked  
cloudy, dark - we've had  
3 days of cloudy rainy weather

Tue 28  
Roger shot a rot a. 15 feet  
in a (no pods) probable  
mackerel nest

28 March ~~light~~ overcast

• 1840

low

Ad SW Ad I m Ad/WN

2

2

11

4

###  
###  
###  
###  
###

(2)

(2)

|||

(7)

(45)

toward Mohu <sup>High</sup> Manu

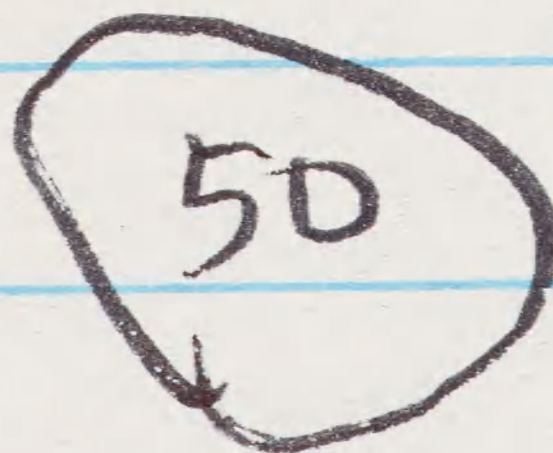
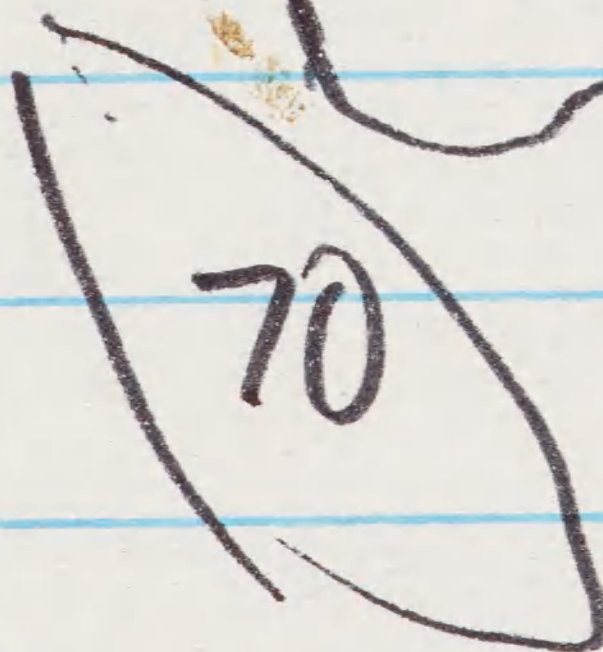
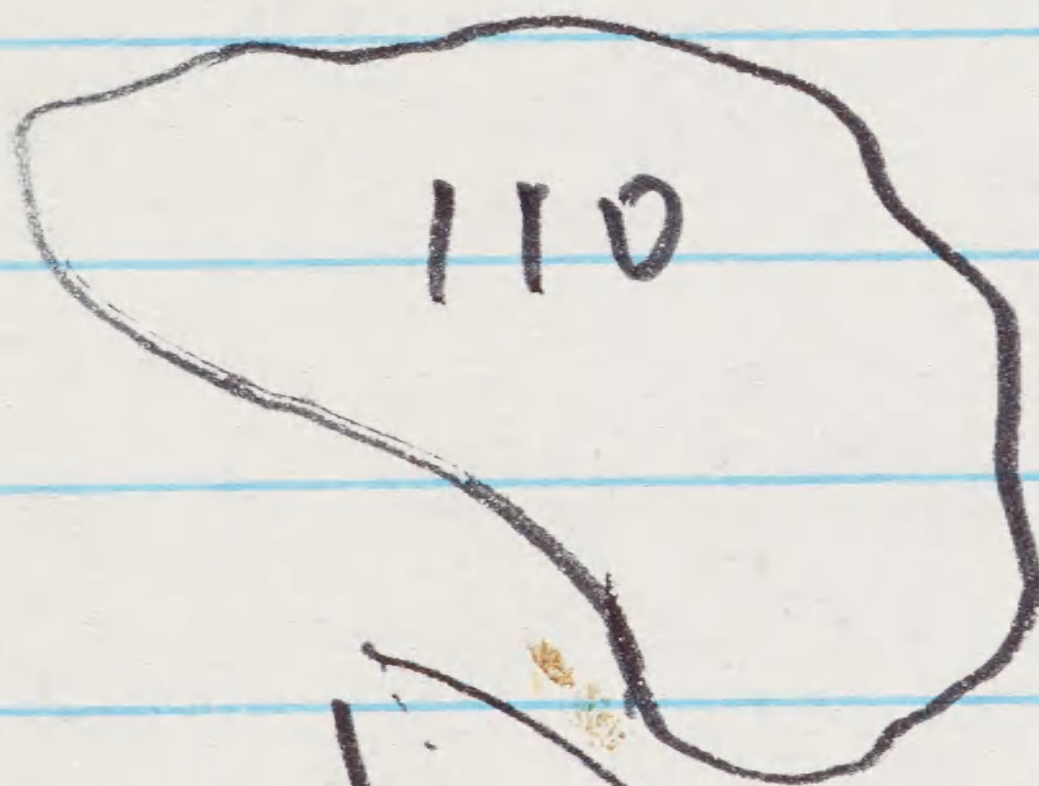
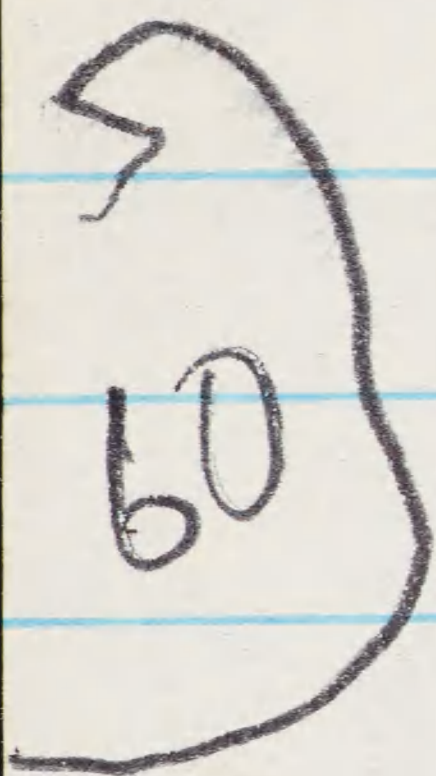
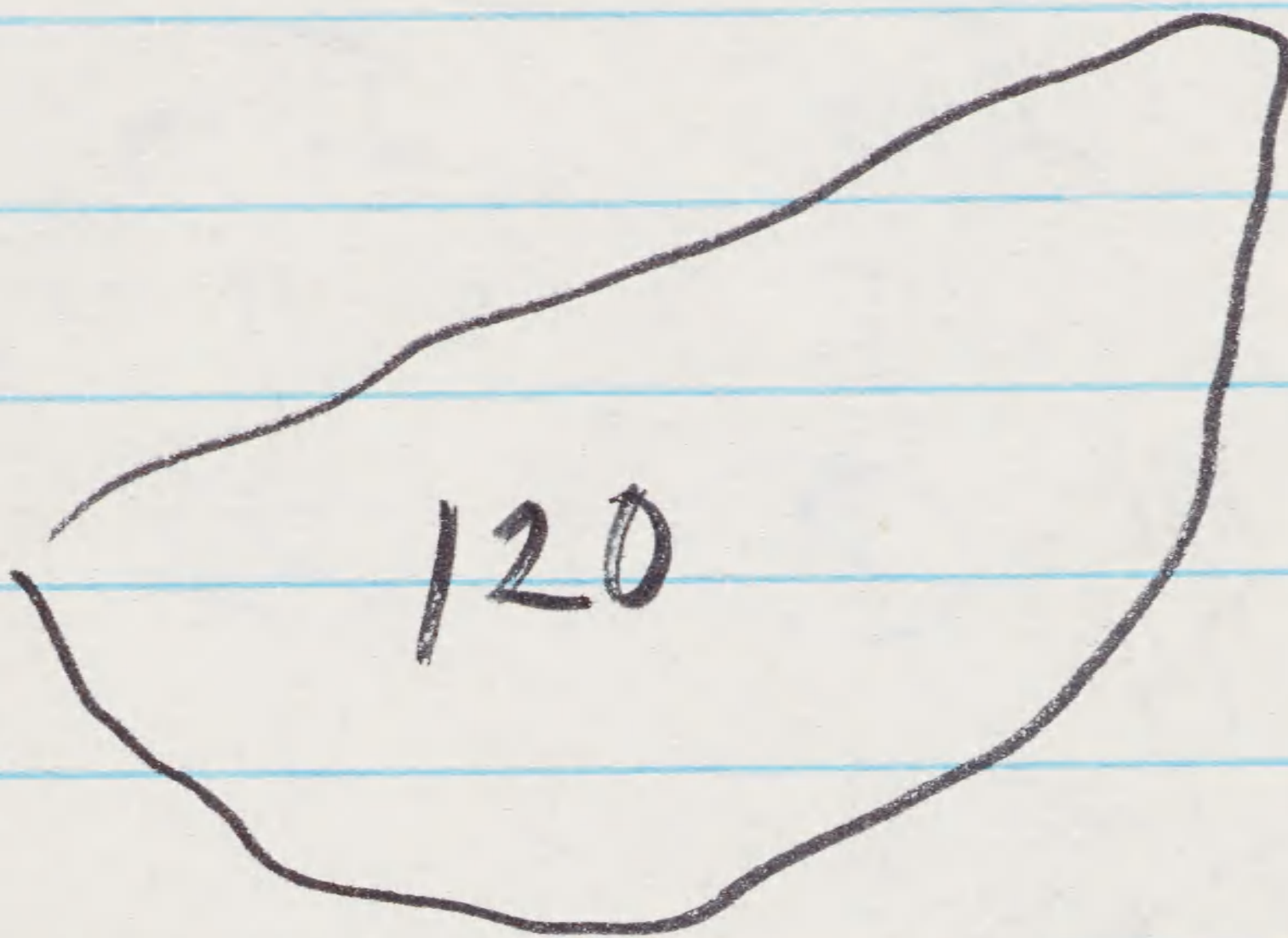
- 3 - - -

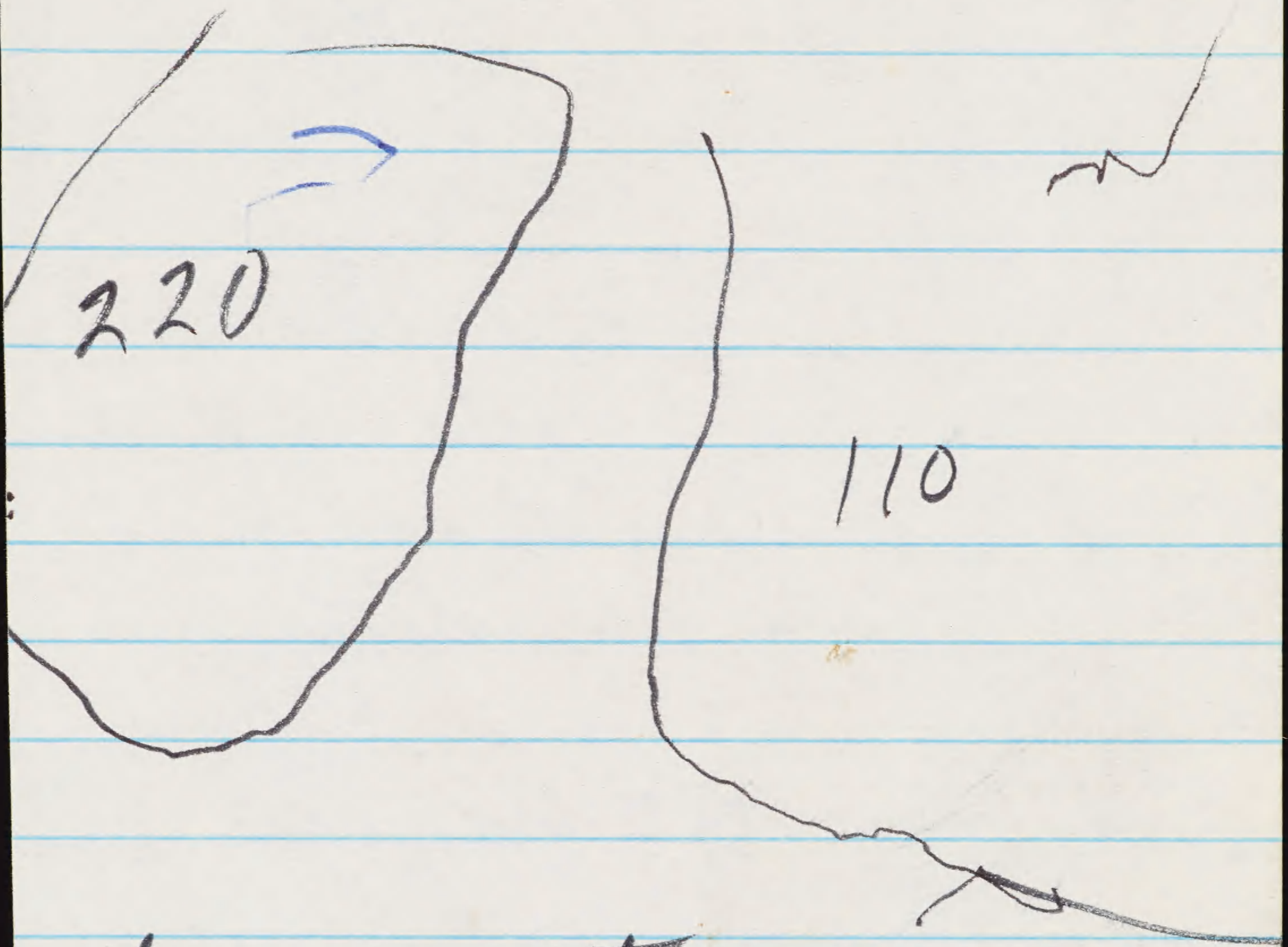
###  
###  
###  
N

(17)

1850

28 March Tuesday





colony very active

light overcast

SE winds

740

10 After

Sunset

30 March Thur  
Moku Name

700  $\pm$  25 RFB Boobies  
75% appear  
to be on active  
nests

60 G Frigates over the  
Sooty tern colony

10000  $\pm$  10% Sooty terns

Wedge-tails noted in channel

Helicopter flew over  
both colonies

at sunset

30 birds left

Moku - circled

& returned

very little <sup>RFB</sup> movement between



15+ Sweet

22

12

47N

40

24

18N

Red

30 March

Light sweet

1750

100

20 N

52

100

47N

20 N

48

250  
82N

84  
24N

pairs separating & dry printing

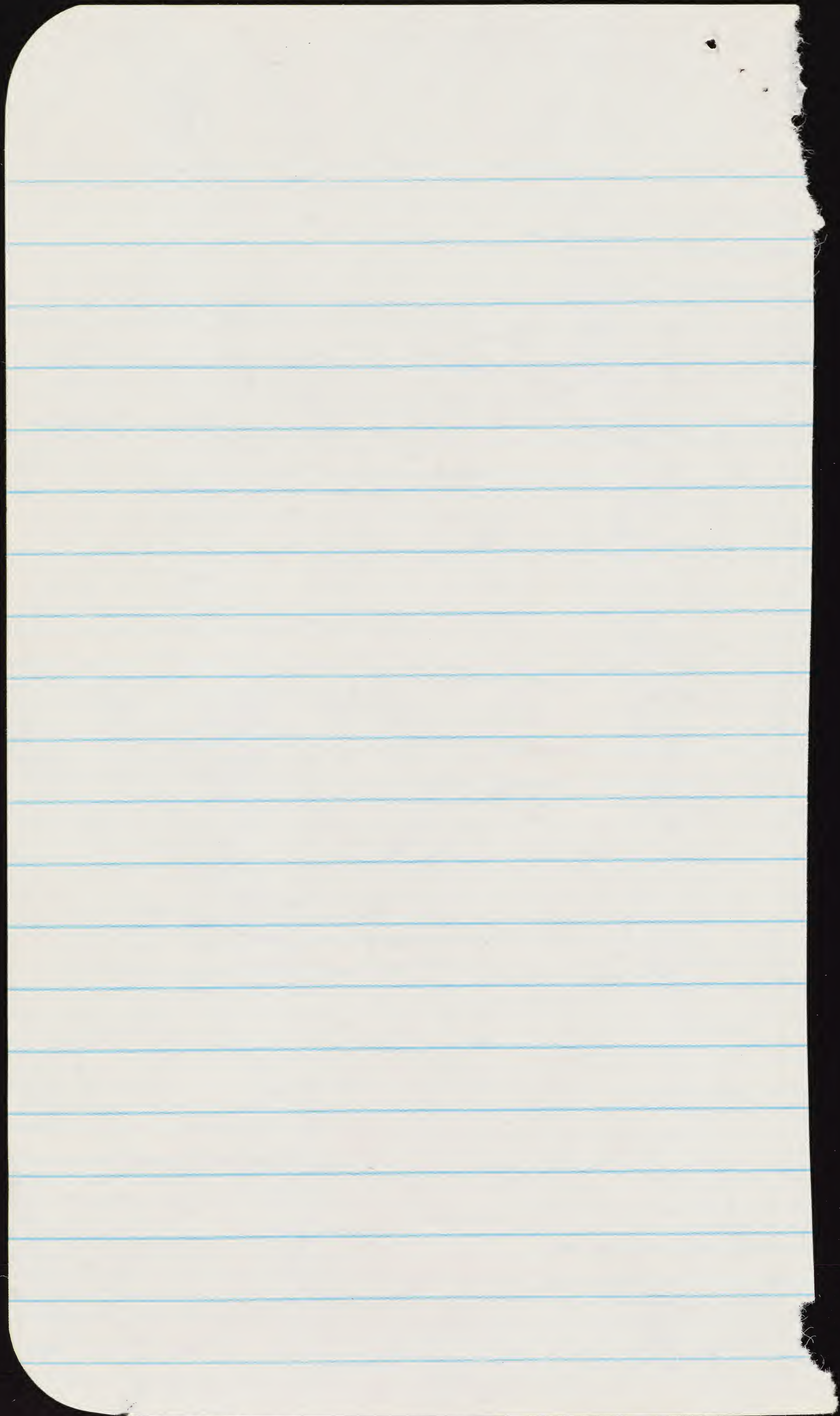
17.15 G-Frigates no churning - precautions noted

X observed

→

→

→



Mokapu Point 1967  
January 27, ~~1965~~

Fitch and Hoff

Mokapu Point,

27 January

757-89621 - Adult RFB ①

~~587-39~~

587-80398 - Adult light phase ②

587-80391 " " ③

→ 767-47021 " " ④

757-60827 " " ⑤

757 89197 " " ⑥

767-48362 " " ⑦

757-89690 " " ⑧

767-48586 ⑨

9:15 Start Mosquito Trap

8:30 Stop Mosquito Trap

~~if 767-43021 Aug '65~~

~~767-47021 June '66~~

definite

Banded

56  
~~57~~  
58

18  
19  
~~20~~

local 767-50 4 59 1  
March '65 60 2

local July '65 <sup>16</sup> 61 3

" July '65 ~~20~~ Banded 62 4

" 63 5  
" Feb '64 9 returns 64 6

" May '64 65 7

" June '66 66 8

" March 65 67 9

" Full moon July '66 68 10  
69 11

70 12

71 13

~~72 14~~

~~73 15~~

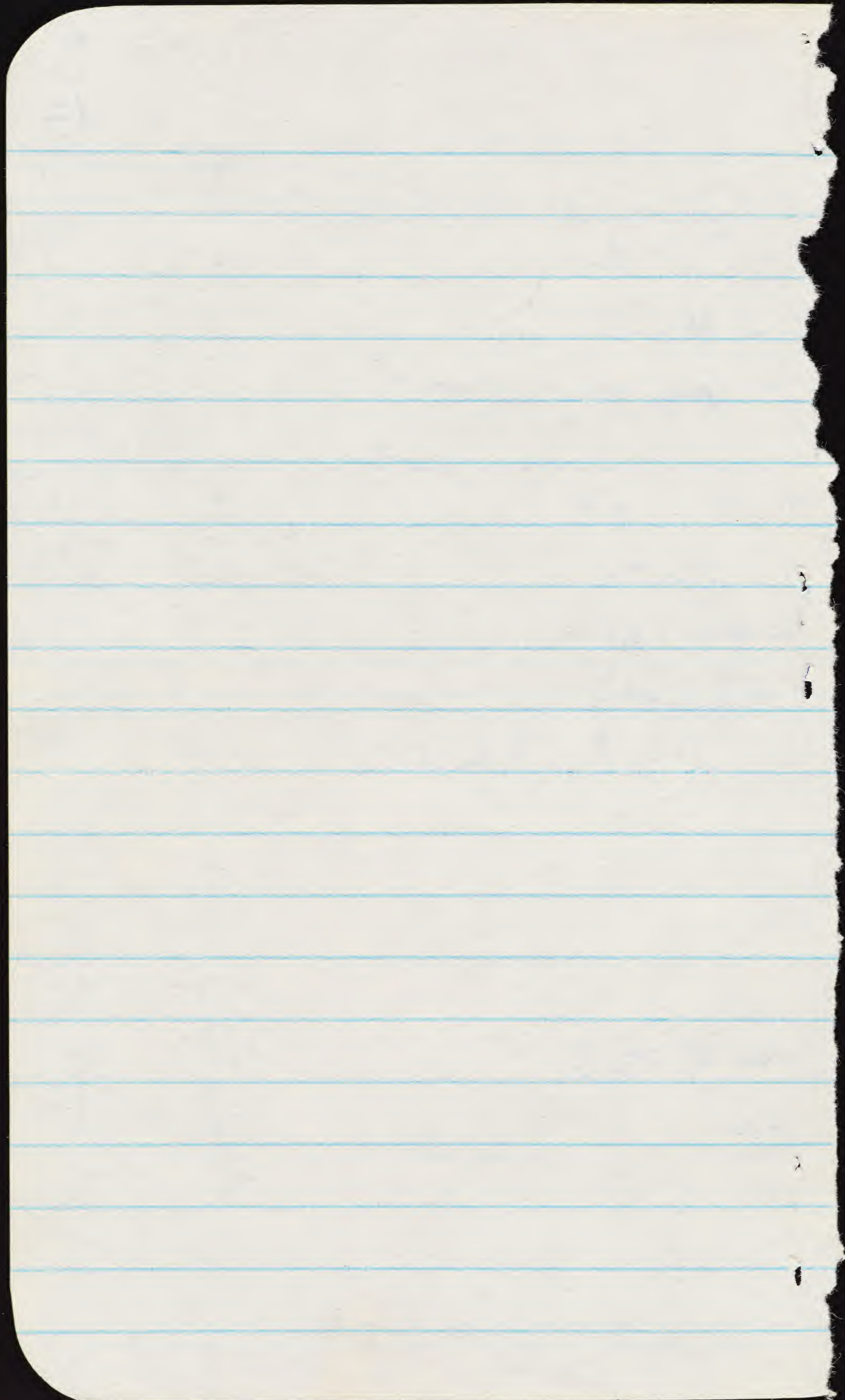
~~74 16~~

~~75 17~~

~~F. P. Streets~~

Adi

20



MOKAPU POINT  
February 1967 Hoff

Sunday Feb. 19, 1967

RFB 2 hr. after sunset  
800  $\pm$  50 birds

the road had been graded  
& improved - some disturbance

barred doves roosting  
adjacent the colony.

Sooty terns over the point  
large swirl over Moku  
Manu

Mon ~~Sat~~ Feb 20

checked the traps 1'

5 rat traps Neg. results

Tue Feb 21

RFB 10<sup>+</sup> sun 580  $\pm$  50

set 10 rat traps - ~~one~~  
~~in trap~~

# 4 mongoose - one trap  
stolen

Wed checked traps  
evening  
two mice in one  
trap

Thurs Feb 23

10<sup>+</sup> am 493 ± 50 BFTs

Fri Feb 24 checked traps

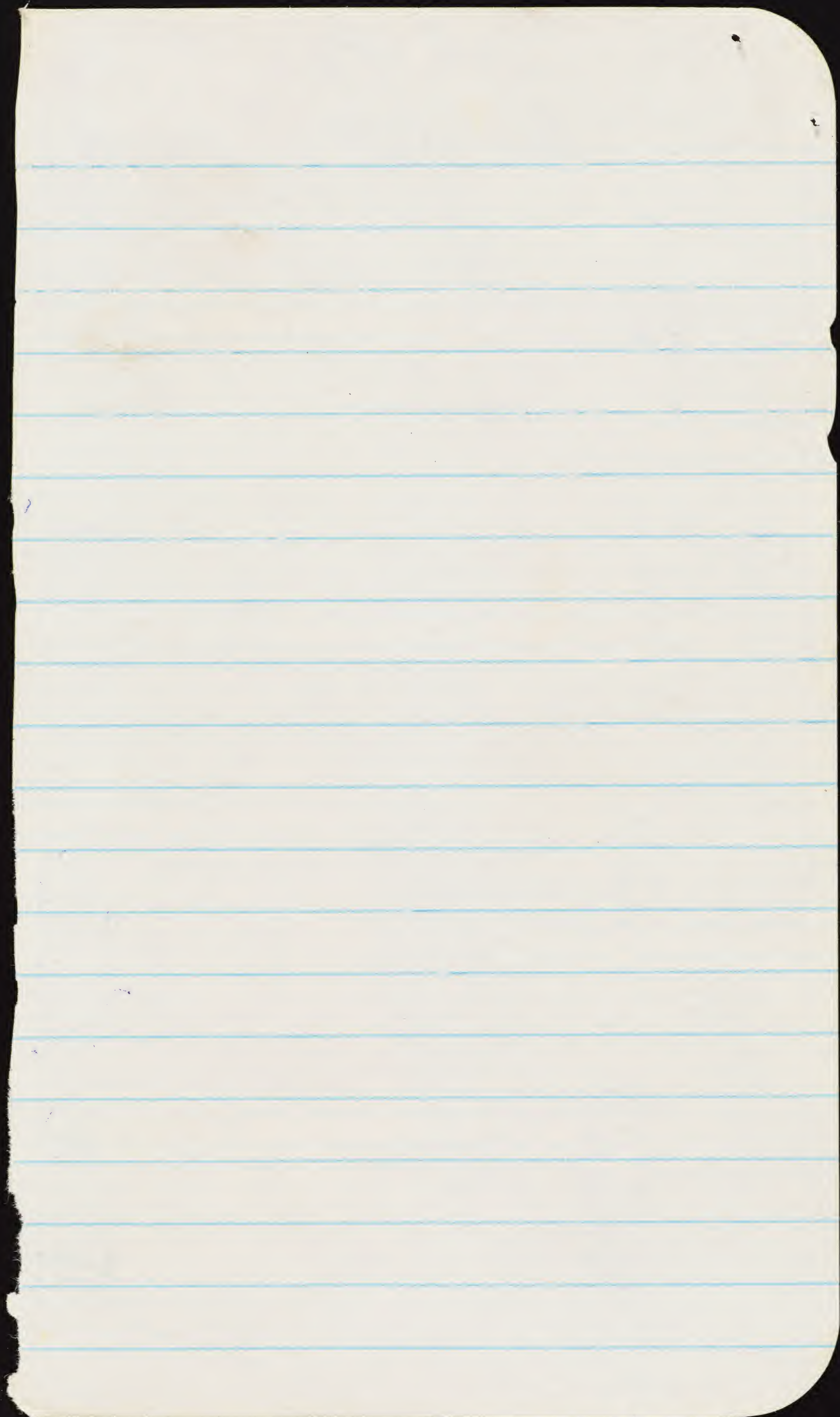
Sat " 25 -

numerous gecko calls

#1 one dead mongoose

① #4 ♀ 1.2 trap code 38





26 Feb 1967



| Blood                  | Red-Root | Age-Sex |
|------------------------|----------|---------|
| 1 062                  | 1        | A ♀     |
| 2 63                   | 2        | A ♀     |
| 3 64                   | 3        | A ♀     |
| 4 65                   | 4        | A ♀     |
| 5 66                   | 5        | A ♀     |
| 6 67                   |          | u       |
| <del>7</del> 68        |          | u       |
| 8 69                   |          | u       |
| 9 70                   |          | u       |
| 10 71                  |          | u       |
| 11 72                  |          | "       |
| 12 73                  |          | "       |
| <del>12</del> No Blood |          | "       |
| 13 <del>10</del> 74    |          | "       |
| 14 75                  |          |         |
| 15 76                  |          | ✓       |
| 16 77                  |          |         |
| 17 78                  |          | ✓       |
| 18 79                  |          |         |
| 19 80                  |          |         |

← new bands [767-50476]

Color

L ~~76~~ 76

L 77

L 78

L 79

L <sup>June, 1965</sup> 86

L nesting 767-42790 1 return

Nov 1963 757 68 693 2 return

L 81

L 82

L 83

L 84

L 85

L 86 } Pair

L 87 } on Nest

Mar, 65 return 757-8959/ 3

July, 66 return 767-48569 4

Nov, 63 return 757 ~~888~~ 68663 5

89

90

20

81

21

82

22

83

23

84

24

85

June, 66  
✓ return 767-48 367 6  
Return

9.1

9.2

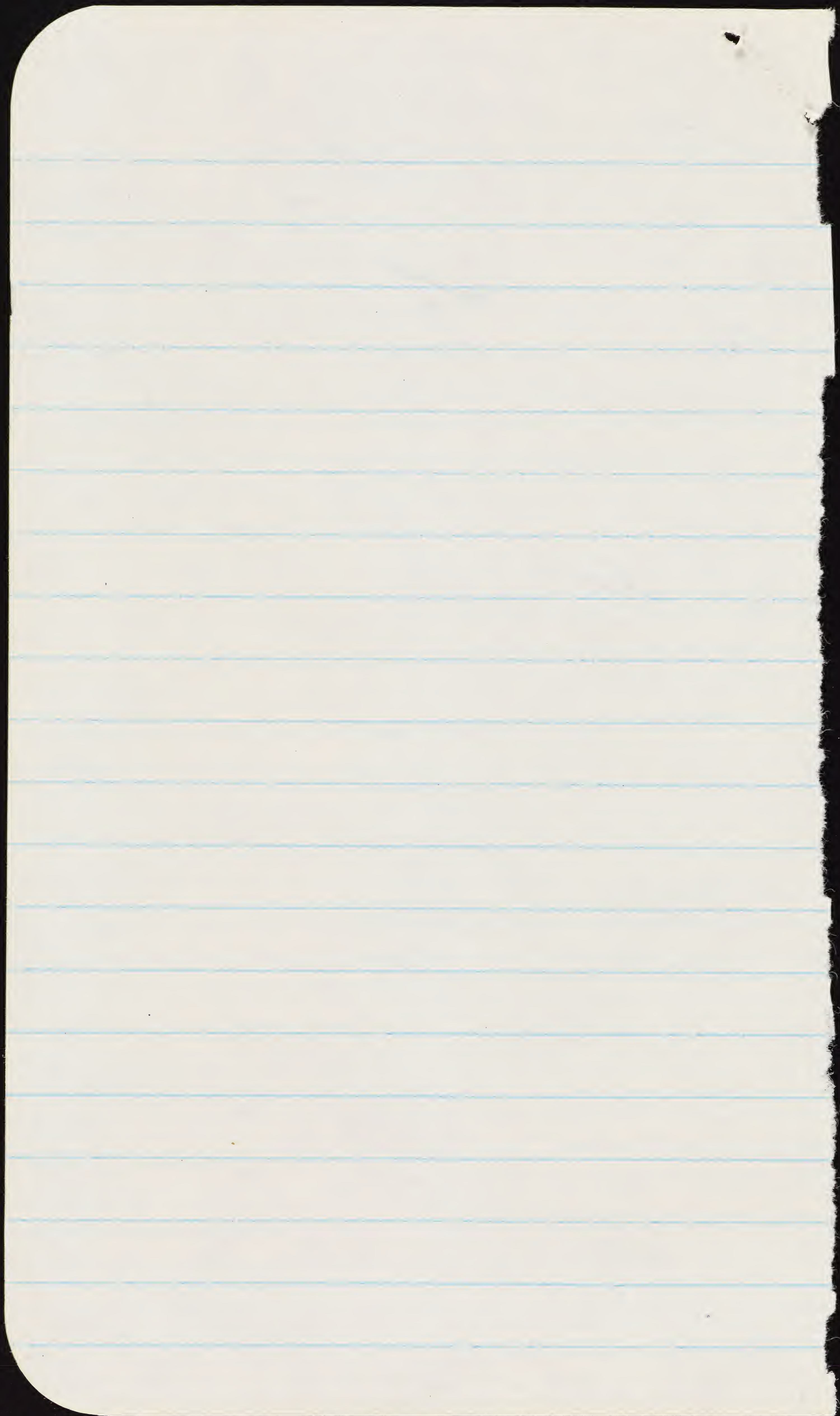
return July, 66 ✓  
767-48.792 7

9.3

Hoff + Stadel  
1902100 - 0300

76 93

93  
75  
18



Mokapu Pt.

4 Apr 67

Red F. Booby

Hoff



| #                | STATUS  | SEX                |
|------------------|---------|--------------------|
| 1                | w/Egg   | ♀                  |
| 2                | w/Egg   | ♀                  |
| 3                | no Eggs | ♂                  |
| 4                | w/Egg   | ♀                  |
| 5                | w/Egg   | ♂                  |
| 6                | w/Egg   | ♀                  |
| 7                | w/Egg   | ♀                  |
| 8                | w/Egg   | ♀                  |
| 9                | w/Egg   | ♀                  |
| 10               | w/Egg   | ♂                  |
| 11               | w/Egg   | ♂                  |
| 12               | no Eggs | ♂                  |
| 13               | no Eggs | ♀                  |
| ✓ 14 (767-48678) | no Eggs | ♀                  |
| ✓ 15 (767-48677) | no Eggs | paired {<br>♀<br>♂ |
| 16               | no Eggs |                    |

Hoff, Palmer, & Burghalter

GONADS

SOFT PARTS

ovary 11x15 mm

lg. ovum 4x4 mm

ovary 10x18 mm

lg. ovum 2x2 mm

Testis 7x12 mm (L)

ovary 10x15 mm

lg. ovum 2x2 mm

Testis 8x14 mm (L)

ovary 10x25 mm

lg. ovum 5x5 mm

ovary 13x22 mm

lg. ovum 5x5 mm

ovary 8x15 mm

lg. ovum 2x2 mm

ovary 6x15 mm

lg. ovum 2x2 mm

testis 8x15 mm (L)

testis 8x15 mm (L)

testis 7x15 mm (L)

ovary 14x25 mm

lg. ovum 6x6 mm

ovary 10x20 mm

lg. ovum 20x20 mm (in oviduct)

ovary 9x14 mm

lg. ovum 8x8 mm

Testis 8x15 mm (L)



Mokapu Pt. Red F. Booby

7 Apr 67

| #  |    | STATUS  | SEX |
|----|----|---------|-----|
| 17 | 1  | no eggs | ♀   |
| 18 | 2  | no eggs | ♀   |
| 19 | 3  | no eggs | ♀   |
| 20 | 4  | no eggs | ♀   |
| 21 | 5  | no eggs | ♀   |
| 22 | 6  | no eggs | ♂   |
| 23 | 7  | no eggs | ♀   |
| 24 | 8  | no eggs | ♂   |
| 25 | 9  | w/1 egg | ♀   |
| 26 | 10 | no eggs | ♀   |
| 27 | 11 | no eggs | ♀   |
| 28 | 12 | no eggs | ♀   |
| 29 | 13 | w/1 egg | ♂   |

Hoff, Burshutter & Fitch

GONADS

ovary 10x25mm

lg. ova 25x25mm, 15x15mm

ovary 12x25mm

lg ovum 15x15mm - in oviduct

ovary 10x20mm

lg ovum 17x17mm - in oviduct

ovary 10x20mm

lg ovum 3x3mm

ovary 10x20mm fully developed

egg in oviduct 40x65mm, ovum 12x12mm

testis (L) 8x12mm

ovary 10x25mm fully developed

egg in oviduct 40x65mm, ovum 25x25mm

testis (L) 8x13mm

ovary 10x15mm

lg ovum 2x2mm

ovary 12x25mm

lg ovum 5x5mm

ovary 15x25mm

lg ovum 11x11mm

ovary 15x25mm

lg ovum 10x10mm

Testis (L) 8x13mm

Mohape Point, Red-footed Booby  
26 April, 1966

Hoff + Bulmer

- 1 30 E
- 2 31 N
- 3 32 N
- 4 33 E
- 5 34 E
- 7 35 E
- 8 36 E
- 9 37 E

9 RFB

collected

26 April 1967

MORAPU POINT

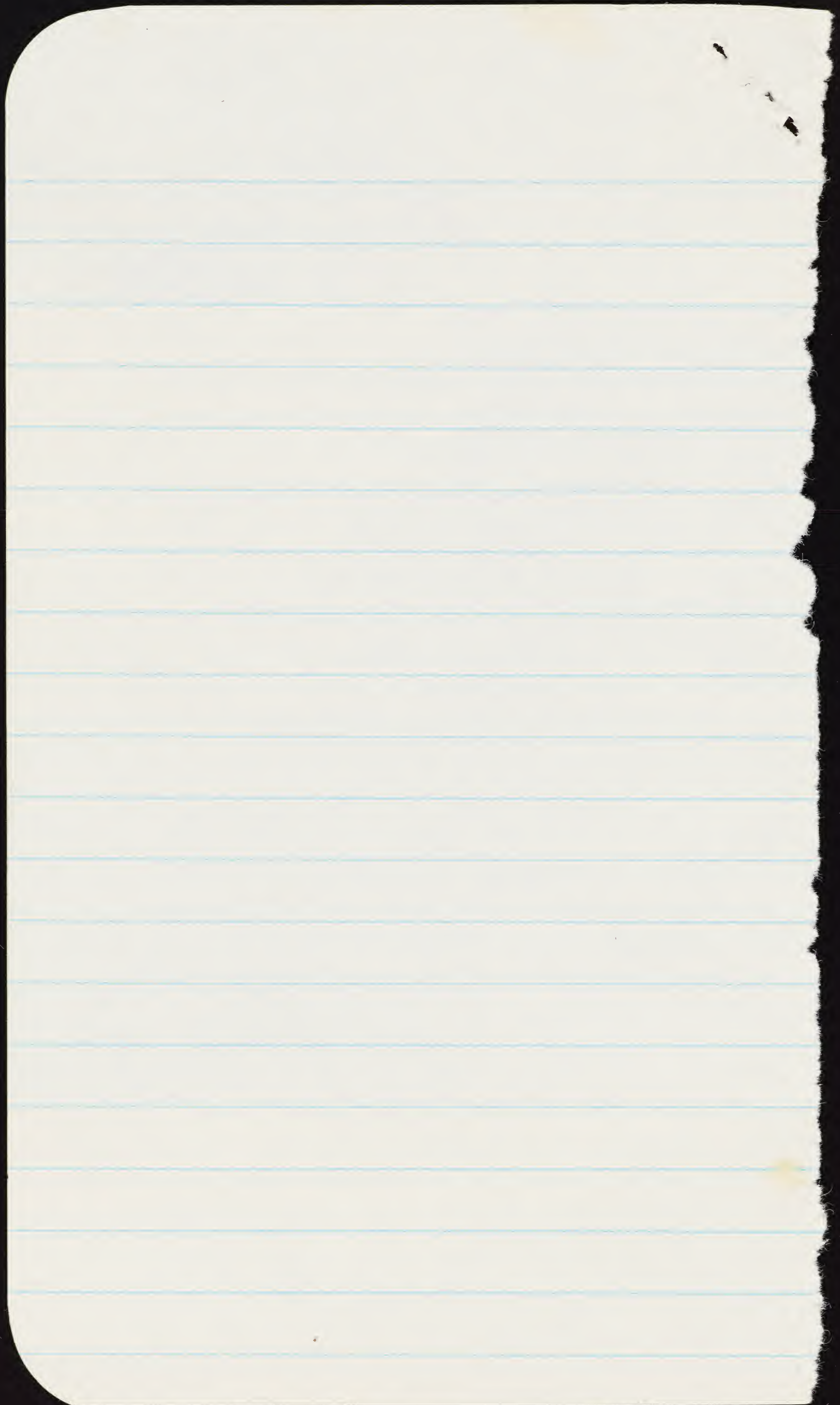
Hoff

1. E unbanded - Egg  
2 N  
3 N  
4 E  
5 E  
6 E  
7 E  
8 E  
9 E

767-47 070

on rubber

chick



2 May 1967

Mokapu Pt., Oahu

Hoff



MM

Picture

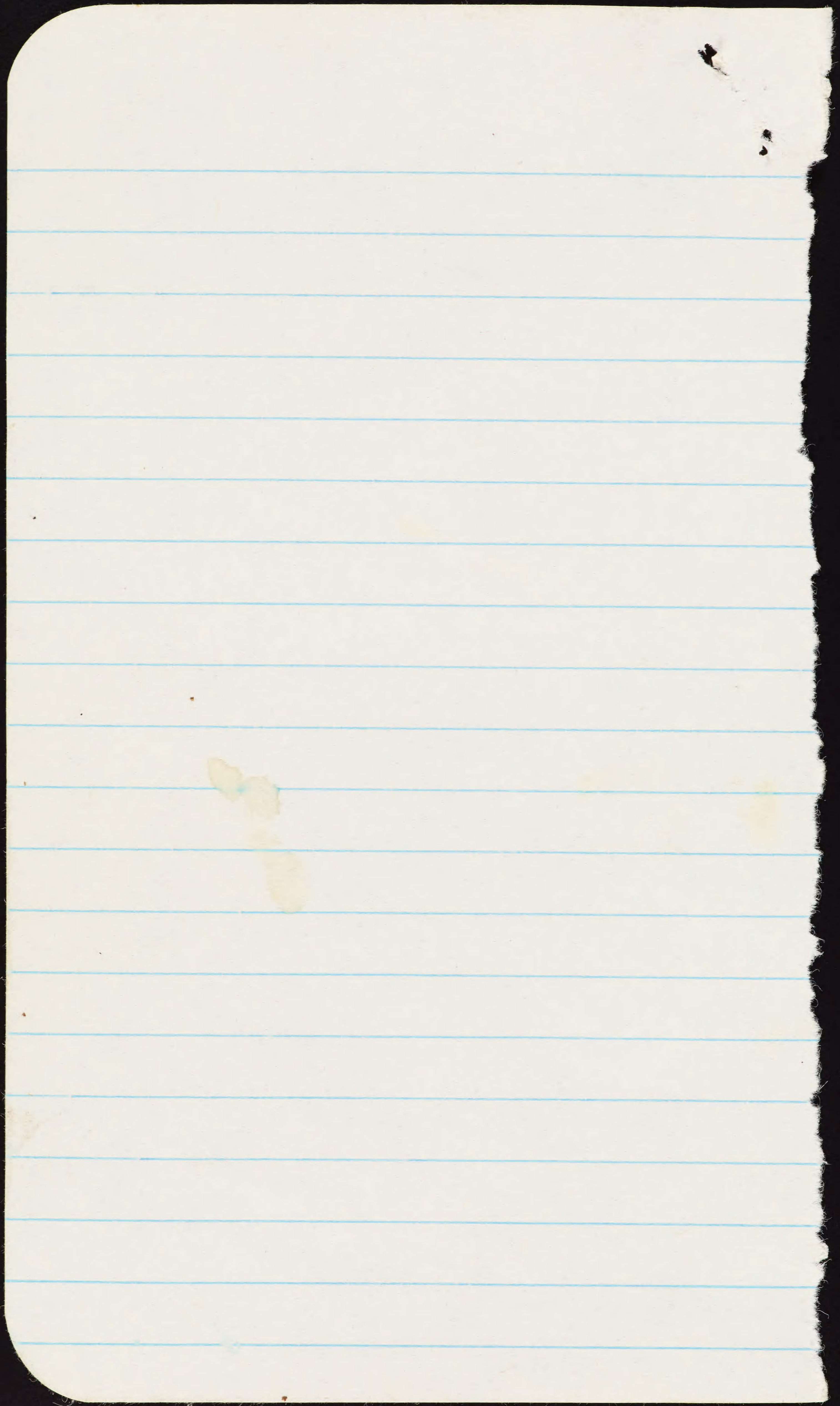
- 1 C F ✓
- 2 E M ✓
- 3 E M ✓
- 4 E F ✓
- 5 E M ✓ 767-42957 ✓
- 6 E M ✓
- 7 E ♀ ✓
- 8 E ♀ ✓ prod No. 767-47005 ✓
- 9 E M ✓ 767-48679 ✓
- 10 E ♀ 767-42975 ✓
- 11 E ♂ ✓ (757-60829)
- 12 E ♀ ✓
- 13 E ♂ 767-42915 ✓
- 14 E ♀
- 15 E ♀
- 16 C M 767-48682 ✓
- 17 E ♀

ss

7 recoveries

Make ✓

mate



Mokapu Pt., Oahu

2 May 67 Hoff, Fitch, Smith,  
1 N-chick Tupper

2 egg

3 egg

4 egg

5 egg

6

7

8

9

10

11

12

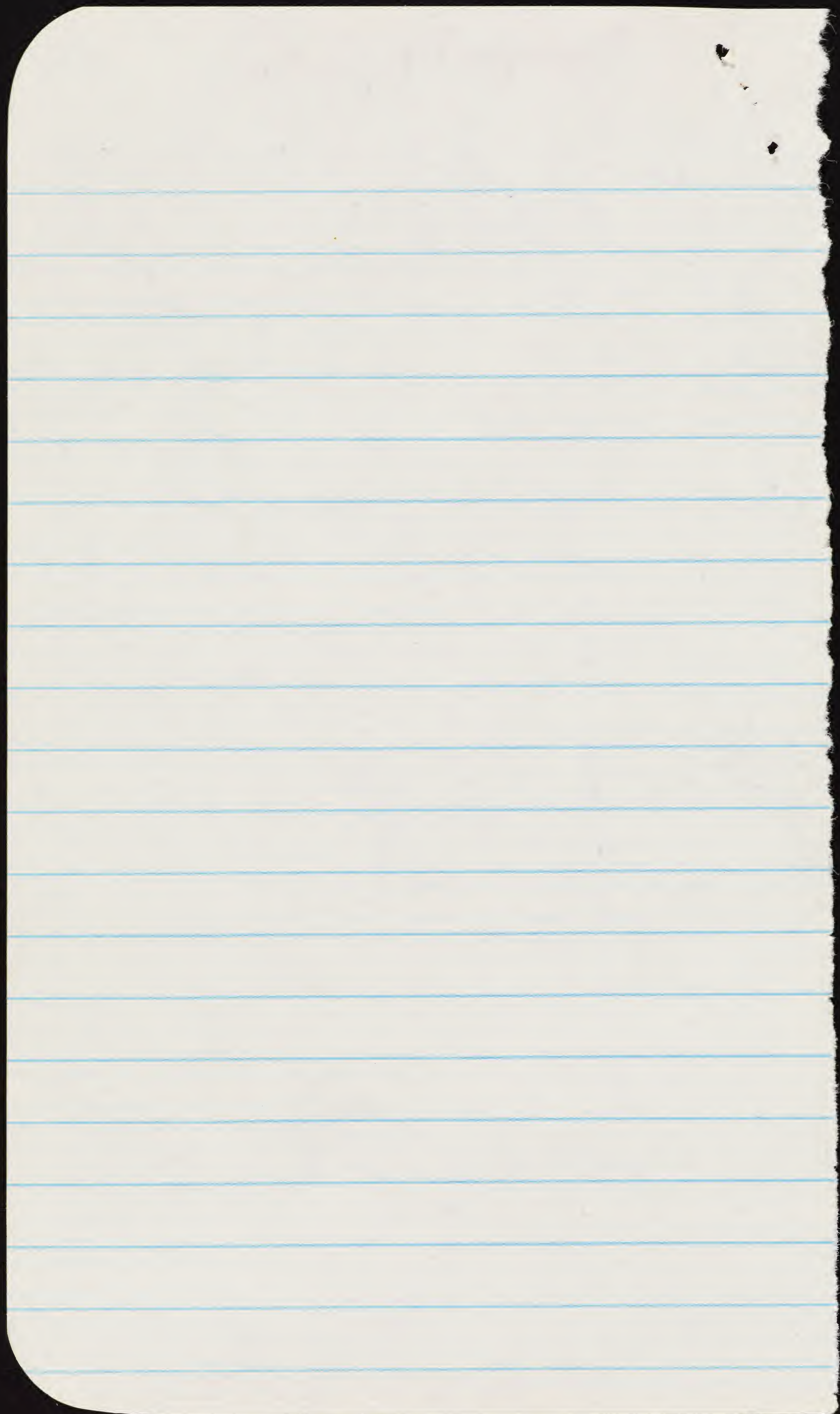
13

14

15

16 nest/chick

17 egg



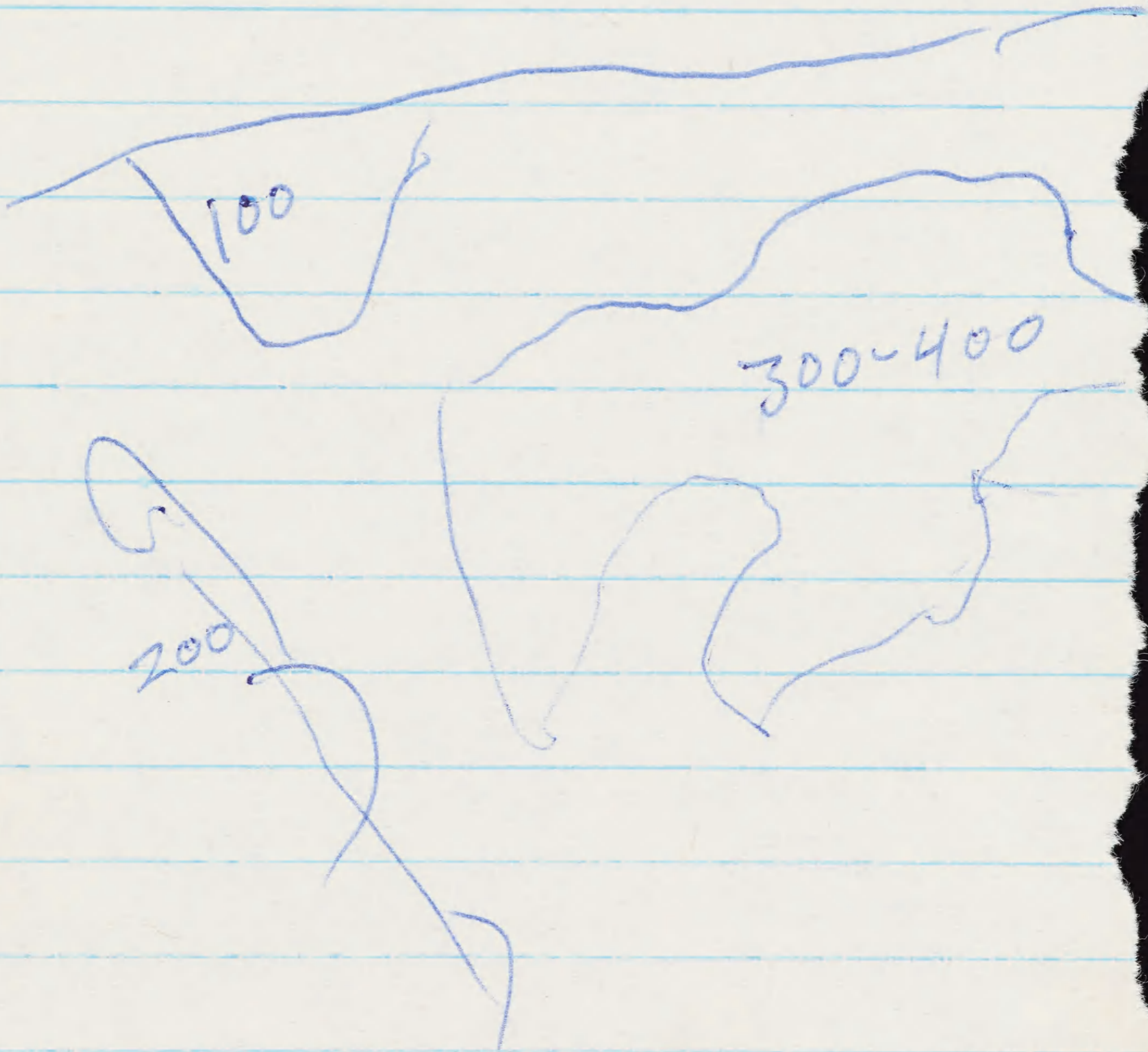
1 June 1967 Mokapu Pt.  
Hoff

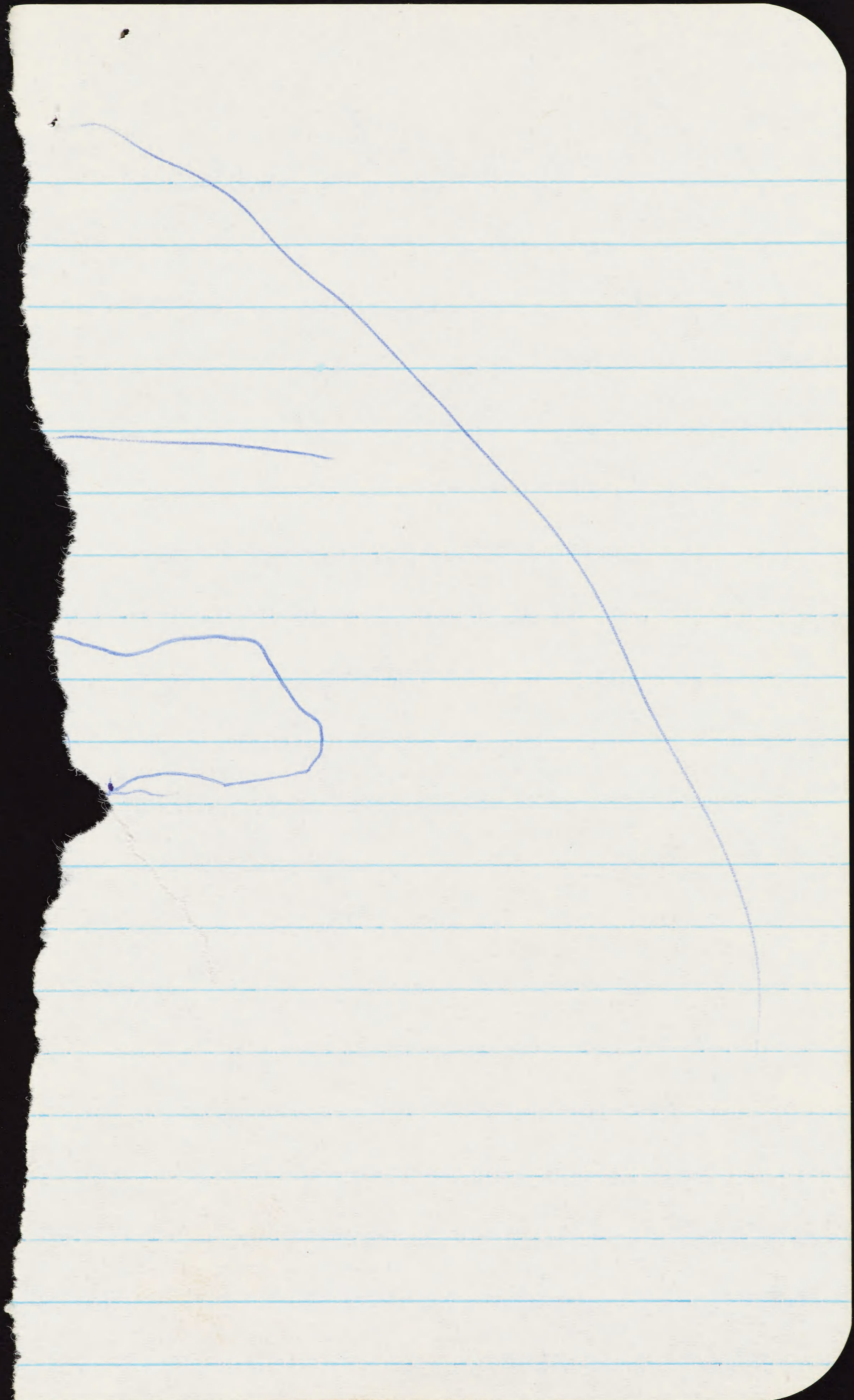
11700 - Mokapu Point

50-80 G Frigates  
circling windward of the  
booby colony about  $\frac{1}{4}$  a  
mile <sup>offshore</sup> over the ocean

1700

Red-Foots







1 June Thursday

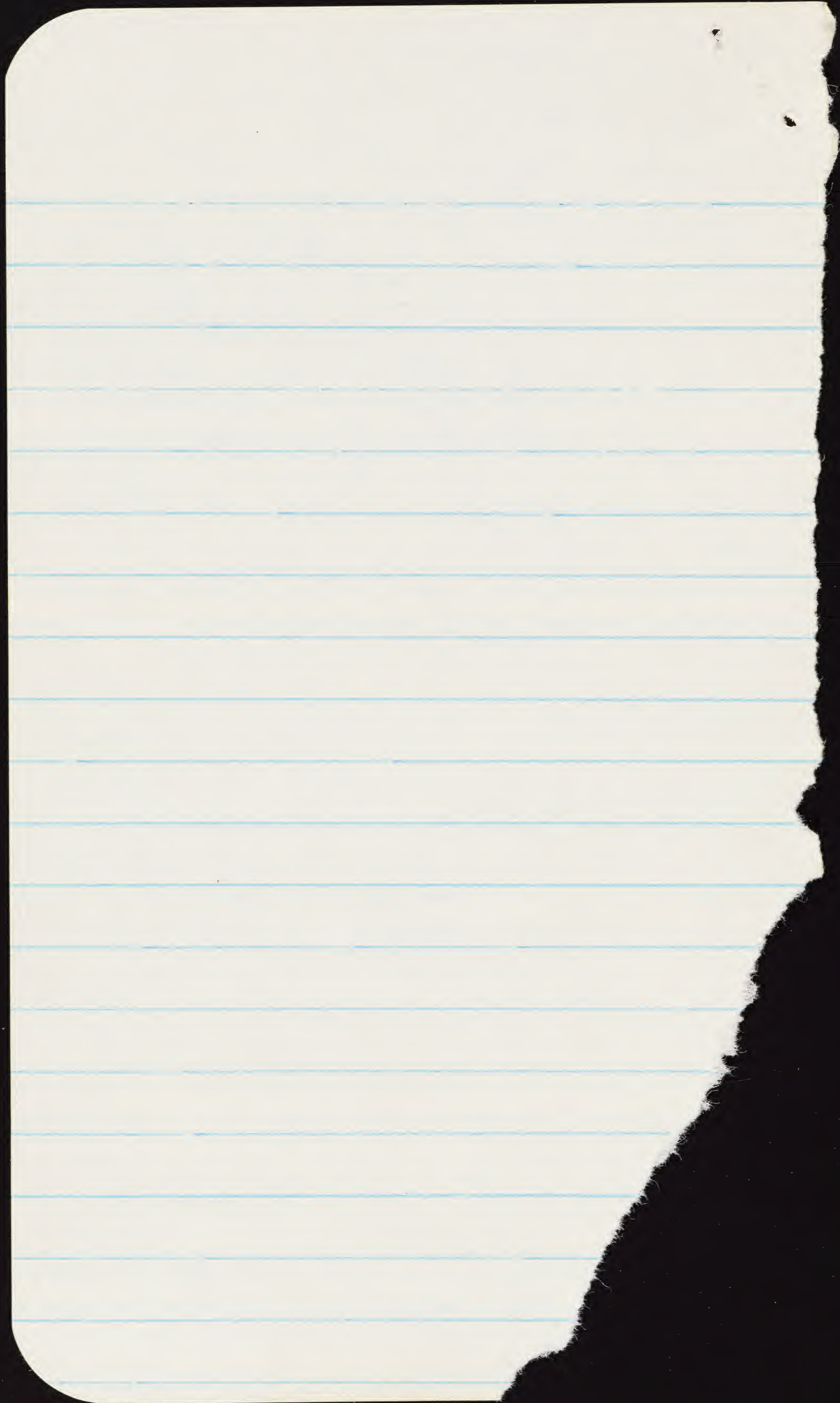
1 - one week + two C

2 - " "

3 - " "

chicks

Two eggs in two  
nests - next  
8 nests were all  
chicks of similar  
size in far east  
end of colony



Mokapu Pt,

Fitch

~~3028~~ Aug, 1967

- 1 ~~767-50480~~ ♀ TW
- 2 767-53101 ♀ TW
- 3 767-53102 Imm.
- 4 767-53103 ♂ TW
- 5 767-53104 ♀ TW
- 6 ~~757-89572~~ ♀ TW
- 7 767-53105 ♂ TW
- 8 767-53106 ♀ TW
- 9 767-53107 ~~♂ TW~~ imm
- 10 767-53108 imm
- 11 767-53109 imm
- 12 767-53110 imm
- 13 767-53111 imm
- 14 — imm
- 15 767-53112 imm
- 16 ~~767-50475~~ ♂
- 17 767-53113 ♀
- 18 767-53114 ♂
- 19 767-53115 ♀
- 20 767-53116-7

19 Oct 1967

Fitch

MOKAPU

19 October 1967 Mokapu Point Oahu

Drove out to Mokapu Point

with Dick Spadoni - arrived

at 9:15 P.M. - Moon full -

occasionally cut off by clouds -

1 rain of short duration

19 October 1967 Mokapu Point, Oahu

9:20 Gecko observed caught in web of giant Garden spider - Gecko struggled and spider wrapped web around it - after immobilizing the gecko, the spider bit it 3 times in head and several times in side - also spun gecko ~~ground~~ in web

1:35 Gecko ~~was~~ <sup>paralyzed</sup> ~~dead~~ and spider beginning to feed - in reaction to reflex action, the spider ~~sp~~ continued to spin web around gecko

32 ~~1967~~ OCT 1967

Mokapu Pt.

- 1 ✓ 767 53104 ✓ MALTE ?
- 2 ✓ 767 53102 ✓ imm - subadult
- 3 ~~767 53101~~ ♂
- 4 ~~767 53100~~ ♀
- 5 ✓ 757 60684 ✓ ♂
- 6 ✓ ~~767 53101~~ 767 - 53111 ✓ imm sub
- 7 ~~767 53100~~ ♀
- 8 ~~767 53100~~ imm (2 samples)
- 9 ✓ 767 - 53103 ✓ imm
- 10 ~~767 53100~~ imm.
- 11 ✓ 767 - 53110 ✓ imm
- 12 587 - 849 ~~41~~ ♂
- 13 587 - 849 ~~42~~ ♀
- 14 ✓ 757 - 60707 ✓ adu ✓
- 15 587 - 849 ~~43~~ adu

Mokapu Pt.

Fitch

7 Nov 67

7 November 1967 Mokapu Point

2:05 P.M. 126 ± 4 RFB including

31 immatures

4:55 Flight 100+ RFB to

Moku Manu from Mokapu

Moku Manu:

~~150~~ 150 RFB

300 Frigates

Common Noddies



5:20 - 5:30 Count

Adults

Yeg.

|   |       |       |
|---|-------|-------|
| 1 | 5     | 2     |
| 2 | 4     | 6     |
| 3 | 23    | 3     |
| 4 | 105   | 26    |
| 5 | 49    | 7     |
|   | <hr/> | <hr/> |
|   | 186   | 44    |
|   | 44    |       |
|   | <hr/> |       |
|   | 230   |       |

total

individuals

157/29

550-6:00

Count

Adults

48

15

5

21

8

102

<sup>2</sup>12

251

28

~~390~~

~~56~~

761

109

109

870

109  
761  
---  
870

Fitch

22 Nov 1967

Mokapu Pt.

Mokapu Pt,  
Nov. 22 - 9<sup>45</sup> pm -  
1967

- 1 - 767-53102 imm.
- 2 757-60696 ad
- 3 767-53101 ad
- 4 767-53109 imm.
- 5 767-53104 ad
- 6 597-12629 ad
- 7 ~~767-50494~~ <sup>Casparly ad</sup> ~~New Band~~
- 8 767-42795 ad
- 9 767-53106 ad
- 10 587-84939 imm
- 11 767-50494 New Band - imm
- 12 587-84938 imm
- 13 767-42926 ad
- 14 757-89591 prob ♂ ad
- 15 587-80369 ad
- 16 767-50495 ? New Band ad
- 17 767-50496 ? ad ♂ New Band
- 18 767-50497 ad ♀ New Band
- 19 757-60747 ad
- 20 767-50498 - New Band ad

Eud-sera

-21-757-89517 Ad U

-22 767-47039 Ad F?

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767-50499-Ad M?

767-50500 Ad M

---

767-53127 Ad M

28 Ad?

29 Ad M

30 Ad M

31 Subadult

32 Immu

33 Immu

34 Ad F

35 Subadult

36 Ad U

37 Ad ?

38 Subadult

39 Immu

40 Subadult

41 Immu

42 Adult

43-Subadult

Returns - not bled

757-89168 Ad M?

757 60653 Ad?

587-90125 subAd. almost adult = F

Mokapu Pt  
 13 Jan. 1968  
 Mongoose

| <u>Jera<sup>#</sup></u> | <u>Sp.</u> | <u>Sex</u>             | <u>Formula</u>          | <u>Wt.</u> | <u>St.</u> |
|-------------------------|------------|------------------------|-------------------------|------------|------------|
| 12                      |            | ♀                      | 2LF, 4LF<br>4RF (Recap) |            | 1          |
| 13                      |            | ♂                      | 1RH, 1LH                |            | 2          |
| 14                      |            | ♂                      | 2LF, 1RF                |            | 3          |
| 15                      |            | ♂                      | 2LF, 4LF<br>5RF (Recap) | Overlook   | (6)        |
|                         |            | Cat ♂ (Painted Orange) |                         |            | 7          |
| 16                      |            | ♂                      | 3LF, 1RF                |            | 8          |
| 7                       |            | ♂                      |                         |            |            |

(over)

Mongoose \$12 12f  
 14 Jan. 1968  
 Mokapu Pt., Oahu

| <u>Sera#</u>  | <u>Sex</u>        | <u>Sp</u> | <u>Formula</u> | <u>St.</u> |
|---------------|-------------------|-----------|----------------|------------|
| 17            | ♂                 | M         | 2-4 2P 3rf     | 10         |
| -             |                   | C         | black-white    | 9          |
| 18            | ♂                 | M         | 4 1P 1rf       | 8          |
| 19            | ♂ <sup>950g</sup> | M         | ? 1P 5rf       | 5          |
| <del>20</del> | <del>♀</del>      | M         | escaped        | 6          |
| 20            | ♀                 | M         | 5 1P 1rf       | 4          |
| 21            | ♂                 | M.        | 4-5 1P 1rf     | W          |
| 22            | ♂                 | M         | 1-3 1P 3rf     | 1          |
| 23            | ♂                 | C         | 1 1P 1rf       | 1          |



Mokapu Point Fitch

31 January 1968

Bands ~~Issued~~:

767-53149 - 53200  
149 - 160

Sera #      Band #      Status

+ NB = new band

|                 |           |        |
|-----------------|-----------|--------|
| 1               | 757-60696 | R ♂ Ad |
| 2               | 767-53146 | R ♀ ad |
| 3               | 767-53106 | R ♂ ad |
| 4               | 757-60687 | R ♀ ad |
| 5               | 767 50475 | R ♂ ad |
| <del>NB</del> 6 | 767-53149 | R ♀ ad |
| NB 7            | 767-53150 | R ♂ ad |
| NB 8            | 51        | R ♂ ad |
| NB 9            | 52        | R ♀ ad |
| 10              | 757-60674 | R ♂ ad |
| NB 11           | 53 w/egg  | ♀ ad   |
| 12              | 757 60598 | R ♂ ad |

13 { 757-60968 } Double Feb 64  
 { 757-89182 } Banded R ♂ ad  
May 64

| <u>Sera #</u> | <u>Band</u> | <u>Status</u> |
|---------------|-------------|---------------|
| NB 14         | 767-53154   | R ♂ Ad        |
| NB 15         | 55          | w/egg ♂ Ad    |
| NB 16         | 56          | R ♀ Ad        |
| 17            | 57          | Bw legs ad    |
| 18            | 58          | ♂ w/egg ad    |
| 19            | 757-60640   | R ♂ Ad        |
| 20            | 767 53153   | R ♀ Ad        |
| 21            | 767-53159   | R ♀ ad        |
| 22            | 60          | R ♂ ad        |

MOKAPU POINT

10 Jan '68

(10-12 Jan '68)

Fitch

Stations : -trapping

1 Garbage dump

2  $\frac{1}{10}$

3  $\frac{1}{10}$

4  $\frac{1}{10}$

5 Overlook # 1

6 Overlook # 2

7 Fall in

8 Concrete emplacement # 1

9 # 2

10 # 3

Mongoose  
10 Jan. 1968

| <u>Sera#</u>   | <u>Sex</u>                | <u>Formula</u> | <u>Local</u> |
|----------------|---------------------------|----------------|--------------|
| 1 <sup>M</sup> | ♀ ad <sup>not</sup> lact. | 1lf 2lh        | recap. 1     |
| 2 <sup>M</sup> | ♂                         | 1rf 1lh        | new 2        |
| 3 <sup>M</sup> | ♂                         | 2rf 1lh        | new 1        |

11 Jan.

Serial #  
4 M

Sex.  
♂ ad died

Formula  
3 r f 1 lb

11 Jan.

| <u>Sera #</u> | <u>Sp.</u> | <u>Sex</u> | <u>Formula</u> | <u>Local</u> |
|---------------|------------|------------|----------------|--------------|
| <del>1</del>  | M          |            | Escape         | 9            |
| <del>2</del>  | M          |            |                | 8            |

12 Jan.

|               |   |   |                  |              |
|---------------|---|---|------------------|--------------|
| <del>3</del>  | M |   | Escape           | 1            |
|               |   |   | Escape           |              |
| 5             |   | ♀ | Escape           |              |
| <del>4</del>  | M | ♀ | 3 r f 1 l h      | <del>2</del> |
| 6             | M | ♂ | 3 r f 1 l h      | 1            |
|               |   |   |                  | <del>1</del> |
| 7             | M | ♀ | 4 r f 1 l h      | 3            |
| 8             | M | ♂ | 2 r f 3 l h      | 5            |
|               |   |   | reap             |              |
| <del>10</del> | C |   | (blue)<br>Escape | 6            |
| 9             | M | ♂ | 2 r f            | 7            |

probably deep

12 Jan.

| Sera <sup>#</sup> | Sp | Sex | Formula | Local |
|-------------------|----|-----|---------|-------|
| 10                | M  |     | 1R 5rR  | 10    |

|    |   |  |                |  |
|----|---|--|----------------|--|
| 11 | M |  | <del>5rR</del> |  |
|    |   |  | 3-5Rr, 2rR     |  |



Fitch  
8 February 1968 Mokapu Pt.

Bands: 767-53161 - 200

Red footed Booby

| <u>Sera #</u> | <u>Band Number</u>   | <u>Status</u> |
|---------------|----------------------|---------------|
| 1             | 767-53161            | M ♂           |
| - 2           | 757-89606            | F ♀           |
| 3             | 767-53162            | F ♀           |
| - 4           | 767-53163            | ♀?            |
| - 5           | 767-48338            |               |
| 6             | 767-53164            | ♂             |
| 7             | " 65                 | ♂             |
| 8             | " 66                 | ♀             |
| - 9           | 767-48652            | ♂             |
| 10            | 767-53167            | ♂             |
| 11            | 68                   | ♂             |
| 12            | <del>767-53169</del> | ♀ Died        |
| 13            | 70                   | ♂             |
| 14            | 71                   | ♂             |
| 15            | 72                   | ♂             |
| - 16          | 757-89515            | ♂             |
| - 17          | 757-60628            | ♀             |

Sera #

Band Number

Status

18

767-53169

♂ off nest -  
no contents

(band from casualty reused)

# MOKAPU POINT MARCH Mongoose

Mokapu Pt. 4 March 1968

Sets:

|               |                          |           |
|---------------|--------------------------|-----------|
| 1             | Garbage                  | 4         |
| 2             | $\frac{1}{10}$           | 2         |
| 3             | $\frac{1}{10}$           | 2         |
| 4             | $\frac{1}{10}$           | 2         |
| 5             | Overlook                 | 2         |
| <del>7</del>  | Wash out                 | 2         |
| <del>8</del>  | Tunnel # 1               | 2         |
| <del>9</del>  | Tunnel # 2               | 2         |
| <del>10</del> | Tunnel # 3               | 2         |
| <del>11</del> | End of Rd                | <u>2</u>  |
|               |                          | 22        |
|               | 10 in vicinity of turret | <u>10</u> |
|               |                          | 33        |
|               | 4 down N-S road          | <u>4</u>  |
|               | 12(ABCD)                 | 37        |

Nokapu Pt.

New toe-clippings:

1 LF, 1 RF, 1 LH

1 LF, 1 RF, 2 LH

1 LF, 1 RF, 3 LH

1 LF, 1 RF, 4 LH

1 LF, 1 RF, 5 LH

1 LF, 2 RF, 1 LH

~~1 LF~~, 2 RF, 2 LH

#2 molding on abdomen

1 Dead area #9  
male - 34 LF - 4 RF

#9 WAS 3 RF - 5 LF

Mokapu Pt., Oahu, 5 March 1968

| <u>Sera #</u> | <u>Toe #</u>  | <u>Locality</u>      | <u>Sex</u> |
|---------------|---------------|----------------------|------------|
| 1             | 4LF-3RF       | 11                   | Bad        |
| 2             | 1LF-1RF-1LH   | 11                   | F          |
| 3             | 4LF-1RF       | 10                   | M          |
| 4             | 1LF-1RF-2LH   | 9                    | M-A        |
| 5             | 1LF           | 8                    | M          |
| 6             | 1LF-1RF-3LH   | 7                    | M          |
| 7             | 1LF-1RF-4LH   | 5 & 6                | M          |
| 8             | 1LF-1RF-5LH   | 5A-M<br>5B-M<br>5D-M |            |
| 9             | 12LF-5LF-13RF |                      |            |
| 10            | 1LF-2RF-12LH  |                      |            |
| 11            | 55LF-5RF      | 4                    | M          |
| 12            | 54LF-5RF      | 4                    | M          |
| 13            | 10LH-10LH     | 3                    | M          |
| 14            | 5LH           | 10                   | F          |
| 15            | 2RF           | 10                   | F          |
| 16            | 36LF-2RF      | 1A                   | M          |

Faint, illegible handwriting at the top of the page, possibly including a title or header.

Main body of faint, illegible handwriting, appearing to be a list or series of entries. Some words are partially legible, such as "MAY" and "1911".

Faint handwriting at the bottom of the page, possibly a signature or footer.

Mokapu Pt., Oahu 6 March 1968

Locality:

1D dead 1LF-1RF ♂

1A dead 2RF-1LH ♂

12D dead 5LF-2RF ♂



♂

Mokcapu A., Dahu 6 March 1968

| <u>Sera #</u> | <u>Toe Formula</u>                   | <u>Locality</u> | <u>Sex</u> |
|---------------|--------------------------------------|-----------------|------------|
| -1 (84)       | 5LF - 1RF                            | 2               | ♀          |
| 2 (85)        | Cat (painted yellow)                 | 12C             | ♂          |
| -3 (86)       | 2-41F, 5RF                           | 12B             | ♂          |
| 4 (87)        | 1LF 2RF 2LH                          | 12A             | ♂          |
| -5 (88)       | 1LF 1RF 5LH                          | 8               | ♂          |
| -6 (89)       | 3-5LF, 4-5RF                         | 9               | ♂          |
| 7 (90)        | 1LF 2RF 3LH                          | 11              | ♂          |
| 8 (91)        | 1LF 2RF 4LH                          | 11              | ♂          |
| 9 (92)        | Cat (painted <sup>same</sup> yellow) | 10              | ♂          |

Mohaupt, Oahn March 7, 1968

Local #11 1LF 2RF 4LH yellow  
Dead from preceding night

March 7

| <u>Sera</u> <sup>4</sup><br>not sera sampled<br>pointed - | <u>Toe formula</u> | <u>Locality</u> | <u>Sex</u> |
|-----------------------------------------------------------|--------------------|-----------------|------------|
|                                                           | 1LF 1RF 3LH        | 11              | ♂          |
| 1                                                         | 1LF 2RF 5LH        | 11              | ♂          |
| 2                                                         | 1LF 5RF            | 7               | ♂          |
| 3                                                         | 1LH 5RH            | 6               | ♂          |
| 4                                                         | 5LF 4RF            | 12a             | ♂          |
| 5                                                         | 1LF 3RF 1LH        | 12b             | ♂          |
| 6                                                         | 1RF 1LH            | 12c             | ♂          |
| 7                                                         | 1LF 3RF 2LH        | 13a             | ♂          |
| 8                                                         | 1LF 3RF 3LH        | 13b             | ♀          |
| 9                                                         | 2LF 1RF            | 13c             | ♂          |
| 10                                                        | 1LF 3RF 4LH        | 13d             | ♀          |

8 March 1968 Mokapu Pt, Oahu

Up road small mammal

2

1

2

1 sprung

2

1

2

1

2

1

2

1 sprung

2

2

1-5

---

28

(1 sprung)

March 8, 1968

13 ~~♂~~ - sprung }  
13 ~~♀~~ - } nothing  
13 ~~♀~~ - }

13a bait gone

13b Mongoose

13c Mongoose

♂ bait gone

- 1 - canines sharp
- 2 - slightly worn
- 3 - worn
- 4 - broken

Teeth

3

2 embryos  $3\frac{1}{2}$ "

3

3

3

left upper 4

2 embryos  $2\frac{1}{2}$ "

missing 3

3

1LF 3RF 5LH

March 8, 1968

| <u>Seva</u> | <u>Toe formulae</u> | <u>Locality</u>      | <u>Sex</u> |
|-------------|---------------------|----------------------|------------|
| 1           | 1LF-3RF 5LH 103     | 13b                  | mat ♀      |
| 2           | 2, 3LF-3RF 104      | 13c                  | mat ♀      |
| 3           | cat (Sam) 105       | 13d                  |            |
| 4           | 1, 5LF 106          | 12b                  | mat ♂      |
| 5           | 2LF, 2RF 107        | 12a                  | mat ♂      |
| 6           | 2, 4LF 3, RF 108    | 5                    | mat ♂      |
| 7           | 1LF, 4RF, 1LH 109   | 14 (sun emplacement) | mat ♀      |
| none        | 1LF, 1RF, 2LH       | 11                   | ♂          |

9 March

| <u>Sera</u> | <u>Toe</u> | <u>Formula</u> | <u>Locality</u> | <u>Sex</u> |
|-------------|------------|----------------|-----------------|------------|
| Dead        | 1LF        | 4RF 1LH        | 14              |            |
| 1           |            | Cat (new)      | 9               | ♂          |
| 2           | 3LF        | 2RF            | 13h             | ♀          |
| —           | 1LH        | 5RH            | 7               | ♂          |
| —           | Escape     | —              | 12b             |            |
| — 3         |            | 2RF            | 12c             | ♂          |
| 4           | 1LH        | 4RF 2LH        | 13d             | ♀          |
| 5           | 1LF        | 4RF 2,3LH      | 13e             | ♂          |



Mokapu Point, Oahu

March 8, 1968

8 March 1968

Band

587-80369

767-53173

dead (band transferred) 53174

757-60747

757-60663

767-50498

53175

757-42809

757-89501

767-50484

757-60688

587-53174

4

5

1

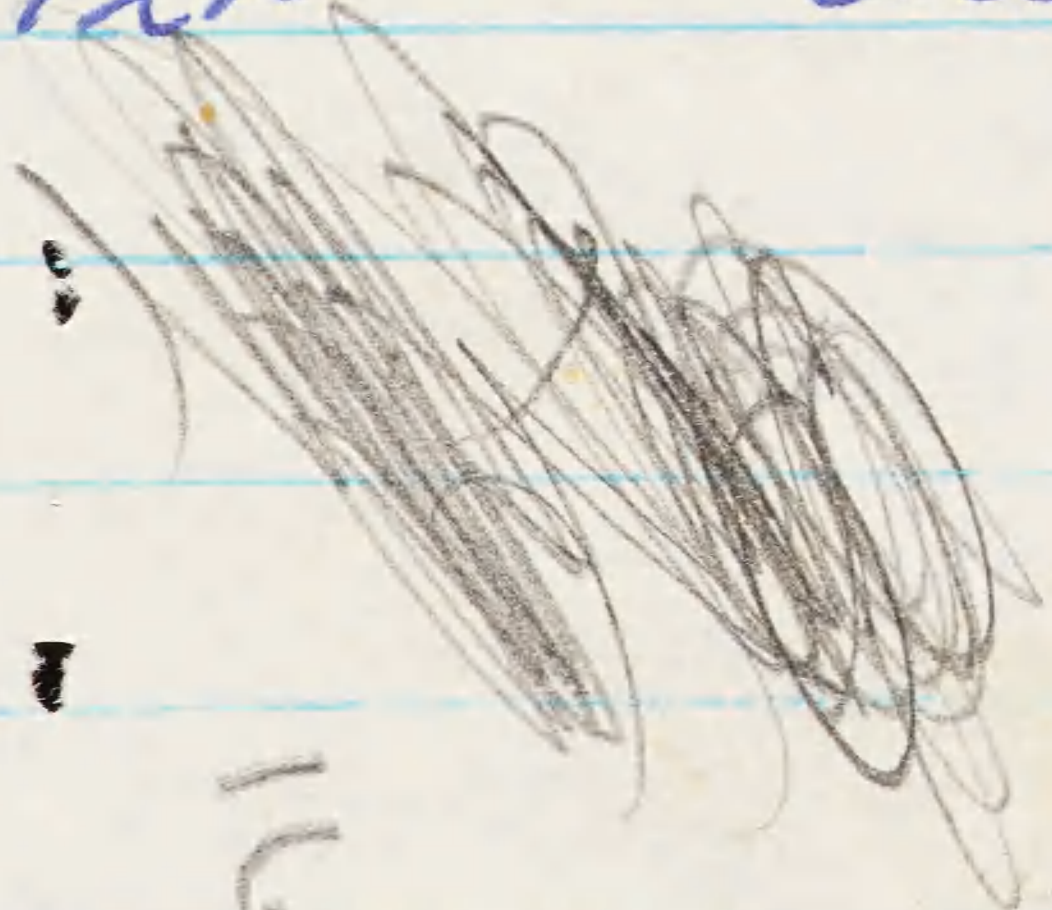
2

3

4

Mokapu Pt., Oahu

| <u>Serial</u> | <u>Age</u> | <u>Sex</u> | <u>Nest</u>              |
|---------------|------------|------------|--------------------------|
| 1b            | ad         | ♂          | Unk.                     |
| 2b            | ad         | ♀          | empty nest               |
| 3b            | ad         | ♂          | roost                    |
| 4b            | ad         | ♂          | nest - empty             |
| 5b            | ad         | ♀          | nest - "                 |
| 6b            | ad         | ♂          | nest "                   |
| 7b            | ad         | ♀          | roost                    |
| 8b            | ad         | ♀          | <del>roost</del><br>only |
| 9b            | ad         | ♂          | } Pr, nest               |
| 10b           |            | ♀          |                          |
| 11B           | ad         | ♀          | nest                     |
| 12B           | ad         | ♀          | nest                     |



115b

112  
156  
9071  
322  
20

Mokapu Pt.

Fitch

Red-footed Booby 24 3

8 May 1968

1

~~1~~

♀

1 ck Prob  
53176

→ 2 757-89591

♀

→ 3 767-53173

♀

→ 4 757-89195

♀

→ 5 757-60747

M

~~6 77 77~~

→ 7 757-60747

→ 8 767-53177<sup>6</sup> ♀

→ 9 757-89525 ♀

→ 10 767-50498 ♀

→ 11 767 47041 ♂

→ 12 767 42806 ♀

→ 13 757-60746 ♀

14 " 78 ♀

15 767-47047

Fitch 23 June, 1968  
Mokapu Pt.,  
Oahu

- ✓ 767-53177 - Sit F  
- 2 767-50468 - "1 egg" F  
- 3 757-89194  
- 4 757-89525 1 egg  
- 5 757-60747 M  
6 767-53178 F  
7 767-53179 F  
8 767-53180 K  
- 9 757-60746  
10 757-60663 F M  
distal portion of tongue  
protruding 1/2 thru  
skin between lower mandibles
- 11 767-50998 F  
12 767-53181 F  
- 13 767-50499 ♀  
- 14 767-47042 ♀  
- 15 { 757-89182 ♀  
757-60768

MOKAPU  
POINT

8/2/68

# August 2, 1968

Sex

- | #   | ID                     | Sex            |
|-----|------------------------|----------------|
| 1   | 767-53182              | Sub Adult      |
| 2   | 767-53183              | Light " "      |
| 3   | 767-53184              | Late "         |
| 4   | 767-53185 <del>#</del> | ? adult        |
| 5   | 767-53186              | ? "            |
| 6*  | 767-50480              | A              |
| 7*  | 767-53104              | A              |
| 8*  | 767-53149              | A              |
| 9*  | 767-47031              | A - on one egg |
| 10* | 587-80369              | A              |
| 11* | 767-53173              | A              |
| 12* | 757-60674              | A              |
| 13  | 767-53187              | A              |
| 14* | 767-50489              | A              |
| 15  | 767-53188              | A              |
| 16* | 767-50499              | A              |
| 17* | 757-60776              | A              |
| 18  | 767-53189              | A              |
| 19  | 767-53190              | Sub Adult      |
| 20* | 767-48568              | A              |