

21 Jan. 1968

Kilauea Pt., Kauai

Personnel: John H. Fitch and

George Young

Itinerary: 21 Jan. 1430 Arrive Kauai

1630 Arrive Kilauea Pt.

counts
begin population

1900 End ^{counts} population

1930 Begin sera

collections
and banding

2100 End sera

collections
and banding

22 Jan. 0630 Begin
observations
~~pop counts~~

0900 End

observations

~~1340 Dep.~~

0930 Depart
Kilauea Point

1340 Depart
Kauai.

Weather: Cloudy and raining
at Airport, Slightly overcast
with no rain at Makapili
Cliffs - heavy rains on night
of 22nd.

Vegetation: Very high and
lush - areas heavily used
by RFB and brown - with
no leaves - grass around
point six to seven
inches high (area usually
bare during WTS season)

Red-footed Booby

21 January 1968

1 RFB was seen from
airplane approx 5 miles
~~west~~ east of Kauai

Red-footed Boobys
Colony B

21 January 1968 Across Cove

From Kalauea Pt., Count

at 1730 : 70 ± 10 , Count

at 1900 : 120 ± 10 , Count

at :

22 January 0630

130

Red-footed Booby
Colony C

21 January 1968

1910 Count:

<u>Adults</u>	<u>Subad</u>	<u>imm</u>
42 42	3 3	0
55 55	5 5	0
42 42	4	0
157 157	4	2
<hr/>		
346	16	2

estimated # nests : 20-30

1800 Count:

<u>Adult</u>	<u>Sub</u>	<u>imm.</u>
108	5	2
62	8	3
47	4	1
211	11	7
<hr/>		
428	28	13

108 - below - on beach in trees

62 - to main clumps

47 - S. side landslide

211 - next

428 28 13

192 13 9

102 15 8

78 8 5

38 3 0

234

644

272

18 11
57 33

Red-footed Booby

Colony C

21 Jan. 1968 Makapili Cliffs

1830 Count

<u>Adult</u>	<u>Subad.</u>	<u>Imms</u>
192	13	9
102	15	8
78	8	5
272	20	10
644	57	33

22 January 1968 Makapili Cliffs

<u>Adult</u>	<u>Subad.</u>	<u>Imms</u>
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Brown Booby

21 January 1968 Makapiti Cliffs

1800. ~~131~~ Brown Boobies were

seen on ledges under RFB

Colony C at 1710 a total of

86 were counted in the

same area.

1830 183 B. Boobies

Great Frigate

21 Jan. 1968

1700: 64 observed on Makapele Cliffs in Colony C including 26 ♂♂ (17 with inflated gular pouches), 6 immatures and 32 ♀♀

1800: 72 observed on Makapele Cliffs -

3 Frigate chases observed involving 1 WTTB and 2 adult boobies - all chases unsuccessful

Frigates roosting among boobies

WTTB

21 January 1968 Makapele Cliffs

2 individuals seen separately

- the first was seen with

a frigate chasing it -

the second was flying in

the vicinity of the RFBColony C

No individuals were seen

on Lihue Cliffs

CP

21 January 1968 Makapiti Cliffs
several CP were seen in
pasture area

Meadowlark

"21 January 1968 Makapili
Several Meadowlarks were
heard in pasture area on
cliffs

<u>Serial #</u>	<u>Band #</u>	<u>Sex</u>
1 a, b, c	TPN 767-44531	♂
2	TPN 39	♂ ♂
3	TPN 38	♀
4	TPN 587- 54801	?
5	757-61431	?
6	39	♂
7	767 50333	
8	40	♂
9	41	♂
10	42	♂
11	43	♀
12	587 90110	
13	44	♀
14	45	♂
15	46	♂
16	767-445 47	♀

PL

Bands used

767-44537 - 47 >
(11 bands)

Returns:

- ✓ 587-90112 Apr. 66
- ✓ 757-61431 May 66
- ✓ 767-44531 Dec 67
- ✓ 767-50333 Dec 66
- ✓ 587 ~~767~~-84801 Aug 67

29 April 1968

Kilauea Pt., Kauai

Fitch

Area # 1: near begin. of trail near
1st cliff

Area # 2: near 1st earthen ledge

Area # 3: above

587-84943 - Bands Used

Bled

Makapili Chiffs

- | | | | |
|-----|------------------------------|-----------|---|
| 1 | ♀ w ^{nk} sm ck | 587-84943 | } |
| +2 | ♀ w smnk ck | 587-84801 | |
| 3 | ♀ w smnk ck | 587-84944 | |
| 4 | ♀ w smnk ck | 587-84945 | |
| +5 | ♂ w legs | 757-61431 | } |
| 6 | ♀ w 1 leg w ck | 587-84946 | |
| 7 | ♀ w smnk ck | 47 | |
| +8 | ♀ w smnk ck | 757-61178 | |
| +9 | ♀ w smnk ck | 767-50376 | |
| 10 | ♂ w legs | 48 | |
| +11 | ♀ w 1 smnk ck | 757 89260 | |
| +12 | ♀ w 1 smnk ck | 767 47523 | |
| 13 | ♀ w sm 1 leg w ck | 49 | |
| 14 | ♀ w 1 smnk ck | 50 | |
| 15 | ♀ w 1 smnk ck | 587-80737 | |
| 16 | ♀ w 1 smnk ck | 51 | |
| 17 | ♀ w 1 smnk ck | 52 | |
| 18 | ♀ w 1 smnk ck | 53 | |
| 19 | ♂ w empty nest | 54 | |
| 20 | ♀ w 1 smnk ck | 587-80755 | |

#1 6 nests all w sm n k c k

#2

Not bled Nakapili cliffs

- | | | | |
|-----|-----------------------|-----------|----|
| +21 | ♀ <u>w</u> | 757 89232 | |
| 22 | ♂ sitting alone | | 57 |
| +23 | ♀ <u>w</u> | 757-61426 | |
| 24 | imm. dk ph. pink bill | | 58 |
| +25 | ♂ <u>w</u> empty nest | 767 44536 | |
| 26 | ♀ <u>w</u> legs | | 60 |
| 27 | ♂ on empty nest | | 61 |
| +28 | ♀ <u>w</u> smnk ek | 767-50378 | |
| 29 | ♀ <u>w</u> legs | | 63 |
| +30 | ♀ <u>w</u> smnk ek | 757 60885 | |
| 31 | ♀ " " | | 64 |
| +32 | ♀ " " | 757 60865 | |
| 33 | ♀ <u>w</u> smnk ek | | 56 |
| 34 | ♀ " " | | 59 |
| 35 | ♀ " " | | 62 |
| 36 | ♀ | | 65 |

$$\begin{array}{r} 41 \\ 102 \\ 85 \\ \hline 522 \\ \hline 750 \end{array}$$

Colony B: 91 6:00 A.M.

Colony B': 77

Colony C: 6:30 A.M.

1.) Completely across overhang:

211

2.) Forest below d-SP: 94

3.) Area between : 28

sides

4.) Area exposed: 128

5.) Lower cliffs: 19

Colony A: 7:00 A.M.

33 adults

3	
211	5
94	16
28	9
128	5
19	
<hr/>	

480

June 24-25, 1968

Kilauea Pt, Kauai

Fitch

Makapili Cliffs, June 24, 1968

Found over 50 WTS dead near burrow sites, some broken eggs, three adults incubating and apparently healthy - one Mynah also found dead - near one of the WTS. Most of WTS ~~had~~ had been dead for at least one week - most had been gnawed by rodents - some dead WTS in open areas others in dense vegetation

Colony C
Makapili Cliffs

June 24, 1968

~~██████~~ 5:30

6:00

178

184

84

92

122

143

384

419

24-25 June 1968

Kilauea Pt, Kauai

Fitch

H881-21 RFB

H8822-40 WTS

587-84966 -

- ① bb ♀? roosting
- ② WTS on egg
- ③ WTS roosting
- ④ 67
- ⑤ 68
- ⑥ 69
- ⑦ 70
- ⑧ 71
- ⑨ 587-84948
- ⑩ 72
- ⑪ 73
- ⑫ 74
- ⑬ 75
- ⑭ 76
- ⑮ 77
- ⑯ 78
- ⑰ 79
- ⑱ WTS on egg
- ⑲ WTS on egg

20
21
22

WTS resting

WTS " "

WTS on egg

Kilauea Pt

24 June 1968

Wedge-tailed Shearwaters

- #1 - 705 - 11226
- #2 - 645 - 65523 - RETURN
- #3 - 635 - 26176 RETURN
- #4 705 - 11227
- 705 - 11228 LOST
- #5 705 - 11229
- #6 - 705 - 112230
- #7 - 705 - 112231
- #8 705 - 112232

705 - 11233 THRU 11248

Banded

Bands Used - WTS

705-112~~35~~⁴⁹ to 11285 (3⁷)

Bled: 50

Bands Used - RFB

767-44548 to 445~~5~~⁶⁹ (~~25~~²²)

Returns - RFB - 3

587-84956

587-84412

757-60885

Bled: (25)

Kilauea Pt. Kauai

July, 1968

J. Fitch

Returns WTS 19

705-11225 on egg

635-26148 - 615-05033

645-16227 on egg * New

615-15871 - 705-~~11253~~ Roosting

635-26102 " "

645-07522 " "

624-94612 " "

635-20571 " "

615-05061 - 705-11256 " "

645-16217 " "

635-26163 " "

645-16510 on egg

615-05067 " "

645-07522 roosting

~~635-26148 - 615-05033~~

635-25505 roosting

705-~~11278~~ - 615-06429

524-94651 - 705-11281 roosting

635-26147 nesting

645-25547 on egg, not bled

Wedge-tailed Shearwater

Kilauea Pt, Kauai

July 28, 1968

- 1 WTS * 705-11225 on egg #5
- 2 " - 705-11250 #6
- 3 " * ~~705-11251~~ - 635-26148 - 615-05033
- 4 " - 705-11251
- 5 " - 705-11252 #7
- 6 " - ~~705-11253~~ ~~705-11253~~
- 7 " - ~~705-11254~~ * 645-16227 #8
- 8 # - ~~705-11255~~ * (615-15771)
- 9 " - 705^R ~~705-11256~~ { 705-253 }
635-20102
- 10 " - ~~705-11257~~ R 645-07532
- 11 " - R 705-11254
- 12 " - 705^R-11255
- 13 " - 705^R-112 624-94612
- 14 " ~~705-11258~~ R 635-20571
- 15 R 615-05061 - 705-11256
- 16 R 645-16217
- 17 R 705-11257
- 18 R 705-11258

WTS continued Kilauea Pt, July 28, 1968

WTS

19^R 705 - 112259

20 ~~705~~ ^R 635 - 26163

21^R 705 - 112260

22^R 705 - 112261

23^R 705 - 112262 → 63?

24^R 705 - 112264

25^N 705 - 112265

26^N 645 - 16510

27^N 705 - 112266

28^N 705 - 112267

29^N 705 - 112268

30 ~~705 - 112269~~ 615 - 05067

31^R 705 - 112269

32^R 705 - 112270

33^N 705 - 112271

34^N 705 - 112272

35^R 705 - 112273

36^R 645 - 07522

37^R 705 - 112274

FB continued Kilauea Pt., July 28

- ① 70 subad/imm ~~64~~ 64
- ② 71 ad ~~65~~ 65
- ③ 72 ad ~~66~~ 66
- ④ 73 subad/imm ~~67~~ 67
- ⑤ 74 subad/imm ~~68~~ 68
- ⑥ 75 subad/imm ~~69~~ 69

-767-44569 end -

Red-footed Booby Kilauea Pt., July 28, 1968

Sera #

Band #

- | Sera # | Age | Band # | Notes |
|--------|------------------|---------------|------------|
| ① 51 | ad | 767-44548 | ? roosting |
| ② 52 | ad ad | 49 | " " |
| ③ 53 | subad | 50 | " " |
| ④ 54 | imm. | 51 | |
| ⑤ 55 | subad | 52 | " " |
| ⑥ 56 | imm | 53 | " " |
| ⑦ 57 | subad | 54 | " " |
| ⑧ 58 | subad | 55 | |
| ⑨ 59 | kgdyck | 56 | |
| ⑩ 60 | subad | 57 | |
| ⑪ 61 | kgdyck | 58 | |
| ⑫ 62 | subad | 59 | |
| ⑬ 63 | subad/imm | 60 | |
| ⑭ 64 | ad | 61 | |
| ⑮ 65 | 587-84956 | 62 | |
| ⑯ 66 | subad/imm | 63 | |
| ⑰ 67 | subad/imm | 64 | |
| ⑱ 68 | ad | 587-84412 | |
| ⑲ 69 | ad | 757 60885 | |

Wedge-tailed Shearwater

July 28, 1968

Makapili Cliffs, Kilauea Point, Kawai

WTS - 645-25547 on egg

A - un

Tail sl.

WTS continued Kilanea Pt., July 28, 1968

635-25505

38 WTS - ~~705-112275~~

39R ~~705-112275~~ Mortality

40R 705-112276

41R 705-112277

42R 705-112278-615-06429

43R 705-112279

44R 705-112280

45R 524-94651-705-112281

46R 705-112282

47R 705-112283

48R ~~705-112284~~ 635-26147

49R 705-112284

50R 705-112285

Red-footed Booby
27 Aug 1968

Kilauea Pt., Kauai

①	-767-44556	Subad
②	-767-44553	" "
③	-767-44559	" "
④	-767-44561	" "
⑤	767-44570 (new)	" "
⑥	" " 71	" "
⑦	" " 72	" "
⑧	" " 73	" "
⑨	" " 74	" "
⑩	" " 75	" "
11	Released	Subadult
12	Released	" "
13	Released	" "
14	76	" "
15	77	" "
16	78	" "
17	79	" "

2.2 Aug

7:25 PM

Over Cast

Colony B

66 adult

8 sub

4 imm

B₁

62 adult

~~6~~ sub

4 imm

27 Aug

5:30 PM Clear

Colony B

16 Adults

5 sub

4 imm

B₁

12 adult

5 sub

5 imm

27 530 PM

Along A

6 Adult

4 sub

4 imm

25515

1	645 07539	21	97
2	705-11286A	22	98
3	87D	23	99
4	635-26139	24	300
5	645-16515	25	321
6	88	26	322
7	645-07523	27	323
8	625-32399	28	324
9	645-07554	29	325
10	89	30	326
11	90	31	327
12	91	32	328
13	92	33	329
14	93	34	330
15	645-25515	35	331
16	94	36	635-26173
17	95	37	61506364
18	635-26177	38	645-22059
19	96	39	340
20		40	

40 341

41 342

42 343

43 645⁻05038

44

39

~~131~~ MDC

705-11332

33

34

35

36

37

38

39

MDC

note:

Around the seaward end of the cliff only one surviving young was seen and banded. The eastern slope appears very successful. seven chicks banded.

Two white tailed tropic bird nests located approx 30 feet down on the western side of cliff. Both nesting areas are inaccessible.