

JULY-AUGUST 1975

JANUARY 1976

DECEMBER 1975

SEPTEMBER 1975

AL. KERRICK

BALAZS (808) 395-6409

TC 102-111
AV4, 112-139

GEORGE H. BALAZS TEL. 946-1760
HAWAII INSTITUTE OF MARINE BIOLOGY 247-6631
P.O. BOX 1346
KANEHOE, HAWAII - 96744

Expeditions covered in this book:

1/15 - 1/22/76

12/1 - 12/4/75

7/18 - 8/7/75

9/5/75 LIN AND ME VACATION TO HAWAII Pages 85-88



NO. 1130

COMPOSITION BOOK

FAINT RULED WITH MARGIN

120 PAGES • 9½ x 7½ IN.

No. 1130-P Has Numbered Pages

S. E. & M. VERNON CO., ELIZABETH, N. J. 07208

MONK SEAL CENSUS, JAN 1976 p 118
MONK SEAL TAGS, JAN 1976 p 120

TAG NOS. - 1124^{LF}
88.9 x 92.7
C 35 x 36 1/2

AV 4

5

S-

05 APR 2002

DATE/TIME

STATUS

AREA

REMARKS

~~7/19/50400~~

~~NF~~

~~TRIG~~

~~LAY~~ ~~carafate~~ -




TAG NOS- 1130^{RF}

TC102-7

101.6 x 95.3

C 40 x 37 1/2

S

DATE/TIME
7/21/82 360


STATUS
NF

AREA
5

REMARKS
LAY 106 EGGS (+1 broken)

LHL


TAG NOS. - 1133^{RF}

TC-103-9
05 APR 2002

100.8 x 97.8
C-39 1/2 x 38 1/2

CSL - 1.08
CSW - 1.35
SS - 1.28

92.7 x 72.7
S-36 1/2 x 28 5/8

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
7/21/75 2100	NF	S.P.	spray TC only
7/22 2300	N	1	
7/23 0015	N	1	LAY LEFT FL imb missing edge
			

TAG NOS. - 1125^{RF}, ~~1126~~LFL

TC-104, 11

05 APR 2002

92.1 x 87

C 36 1/4 x 34 1/4

S-

DATE/TIME	STATUS	AREA	REMARKS
7/20/150130	NF	5- LAY	deform RHL 1/2 miss, FL
7/22/1400	B	WHALE-SKATE	
7/28/1845	B	W-S	
7/29/1230	B	W-S	
7/30/1830	B	W-S	
7/31/2330	N	W-S Central, E	
8/5/2300	N	W-S North, E	
8/6/0600	N	W-S South, W	
8/6/1515	B	W-S, Central E	

TAG NOS -

TC-105 13

92.1 x 86.4
C 36¹/₄ x 34CSL-104
CSW-128
SS-131

88.3 x 67.3

S 34³/₄ x 26¹/₂

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
7/22/450900	NF	7	LHL deform, very small, shell injury above LHL SmtMR RFL dorsal above tag flap, ^{shoulder} Photo BASK 7/20 NEP
7/23 1845	B	5	
7/23 2230	N	"	
7/24	B	"	
7/26 1530	B	13	photos by seal pups <u>BLACK</u>
7/27 1830	B	14	TMR h Jaw by mouth
7/28			
7/30 1500	B	13	
7/31			

TAG NOS. - 1132^{RF}

TC-106 15

99.7 x 94

CSL - 1.07

93.3 x 71.8

C-39 1/4 x 37

CSW - 1.31

S-36 3/4 x 28 1/4

SS - 1.30

DATE/TIME

STATUS

AREA

REMARKS

7/22/46 2300

NF

2

LAY

TAG NOS- 1134^{LF}

TC-107-17

97.8 x 90.2

CSL-1.07

91.8 x 66

05 APR 2002

C-38 1/2 x 35 1/2

CSW-1.37

S-36 1/8 x 26

CS-1.39

DATE/TIME	STATUS	AREA	REMARKS
7/23/140030	NF	7 by 55 gal drum	LAY RFL
7/25 1315	B	S.P.	
7/25 1845 ^{To}	B	S.P.	left for ~30min, returned
7/26 1700	B	S.P. 17	



TAG NOS- 1135^{LF} / 1136^{RFL}

TC-108 - 19

99.1' x 94.6' CSL-1.06
C 39' x 37 1/4' CSW-1.35
SS-1.34

93.7' x 69.9'
S 36 7/8' x 27 1/2'

DATE/TIME

STATUS

AREA

REMARKS

7/29/00 30 /
//

NF /

S.P. /

LAY cracks in most Laminar ¹¹³⁶ Rotated
old tag hole - Right Flap

TAG NOS - 1137 ^{LF}

TC-109 - 21

94 x 88.9

CSL - 1.06

88.3 x 69.9 ^{0.5} APR 2002

CSUS 1.27

C 37 x 35

SS - 1.26

S 37 ³/₄ x 27 ¹/₂

DATE/TIME

STATUS

AREA

RFL REMARKS

7/24/82 230

NF

4

LAY

π

7/30 1500

B

5

TAG NOS. - 964^{RF}, 11411^{LF}

94.6 x 90.2

CSL - 1.05

C 37 1/4 x 35 1/2

CSW - 1.29

SS - 1.29

TC-110

23

05

APR 2002

89.9 x 69.9

S 35 3/8 x 27 1/2

DATE/TIME

STATUS

AREA

REMARKS

~~2/19/75 1500~~

~~BF~~

~~TRIG~~

likely ~~photographed~~ telephoto

~~//////~~

~~7/26 2230~~

~~N~~

~~15-14~~

~~7/27 0100~~

~~N~~

~~11~~

~~LAY~~

~~2-3 eggs poss Broken, Many Photo w/ME
MARKED LOC EXTRA TAGS (19) Rotated~~

~~//////~~

TAG NOS- 1144^{LF}

TC-III- 25

99.1 x 97.2
C 39 x 38 1/4

CSL - 1.06
CSW - 1.30
SS - 1.25

93.2 x 74.6
S 36 5/8 x 29 3/8

DATE/TIME	STATUS	AREA	REMARKS
7/28/0330	NF	4	LAy spit v ion R-pc Blk + photo

TAG NOS - 1145 RF

STARTING Whale-Skate NUMBERS

27

101.6 x 99.1

CSL - 1.07 CS - 1.31

AV-112

15

CSW - 1.36

Section of island

95.3 x 73

APR 2002

C-40 x 39

3 choices - North, central, South

S-37 1/2 x 28 3/4

DATE/TIME

STATUS

AREA

shore (E or W)

REMARKS

7/28/02 2300

NF

W-S central, W

LAY

thick

TAG NOS- 1147^{RF}, 1148^{LAMP}

15 APR 29 2002
AV-113

97.2 x 87.6

CSL-1.06

91.4 x 69.9

CSW-1.25

C- 38 1/4 x 34 1/2

SS - 1.31

S-36 x 27 1/2

DATE/TIME

STATUS

AREA

REMARKS

7/29/11 0100

NF

W-S South, W LAY

looks shallow



TAG NOS - 1149^{RF}

AV-114²⁵ 31 APR 2002

97.2 x 86.4

CSN - 1.04

93.5 x 67.9

CSW - 1.27

SS - 1.37

C-38¹/₄ x 34

S-36³/₄ x 26³/₄

DATE/TIME

STATUS

AREA

REMARKS

7/29/11 0800

NF

W-S, South, W LAY

7/29 1230

B

W-S

//////

TAG NOS- 1150^{RF}

15 APR 2002 33
AV- 115

94 x 91.4

CSL - 1.06

88.9 x 70.2

C- 37 x 36

CSW - 1.30

SS - 1.27

S-35 x 27^{5/8}

DATE/Time

STATUS

AREA

REMARKS

7/29/16 0530

NF

W-S, South, W

1-BARN 2nd LAT L; Barn Cluster 2nd

7/30 1245

N

South, W

LATR; 4-Barn-3rd Central

8/1 1500

Off^{shore} under water

W-S, Central, E

many pits - problems?



TAG NOS - 1146^{LF}

15 APR 2002

35

AV-116

99.7 x 92.1

CSL - 1.06

94 x 71.8

CSW - 1.28

C-39 1/4 x 36 1/4

SS - 1.31

S 37 x 28 1/4

DATE/TIME	STATUS	AREA	REMARKS
7/28 2300	BF	Whale-shake, South, E	Some LARGE TMP, mushroom like, both shoulders dorsal & ventral, also both eyes.
7/29 2330	N	W-S, South, E	
7/30 0230	N	South, W	LAY, NO TROUBLE NESTING, very sandy, closer to water
8/28 0300	N-B?	South, W	sleeping just above wave wash, steep BANK

TAG Nos - 1151^{RF}, 1152^{LF} Rotated

91.4 x 86.4
C-36 x 34

CSL - 1.06
CSW - 1.30
SS - 1.30

AV-117¹⁵³⁷ APR 2002

86.4 x 66.7
S-34 x 26'14

DATE/TIME

STATUS

AREA

REMARKS

~~7/30/15 0230~~

~~NF~~

~~W-8 South, W~~

LAY

TAGNOS-1153^{PF}, 1154^{FLAP}

AV-118-39

15 APR 2002

88.9 x 82.6

C 35 x 32 1/2

DATE/TIME

STATUS

AREA

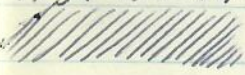
REMARKS

~~7/30 0300-0630~~

~~NF~~

~~W-S South, W~~

LAY



TAG NOS - 1155 ~~LF~~

15 APR 2002

~~AV-119~~ 41

~~98.4 x 91.4~~

CSL - 1.08

CSW - 1.29

~~90.8 x 71.1~~

C 38 ³/₄ x 36

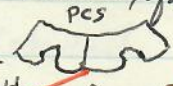
SS - 1.28

S 35 ³/₄ x 28

DATE/TIME
~~7/30/2345~~

STATUS
NF

AREA
W-S, South, W

REMARKS
LAY RHL ¹/₄ of thin trailing
edge missing, 

cluster of 8 BARN - 2nd Mang R; of 4-2nd lat R,

photos while Basking earlier in day.

~~8/28 0300~~

NF

South, W

good start on chamber but today

TAG NOS - ~~1157^{LF}~~, ~~1158RFL~~

15 APR 2002 43
AV-~~120~~

~~106.7 x 101.6~~
C-42° x 40

CSL - 1.07
CSW - 1.32
SS - 1.30

~~99.7 x 76.8~~
S-39 1/4 x 30 1/4

DATE/TIME	STATUS	AREA	REMARKS
7/31/01 0100	NF	W-S South, W	LAY, BARN 2nd Mang Left

8/1 1630	B	W-S central, E	tag 1158 bent abnormal
8/2 1600	B	W-S " "	
8/3 1830	B	W-S " "	



TAG NOS- 1159RFI

AV-121

101 x 97.8

CSL- 1.05

CSW- 1.34

96.2 x 73.0

C- 39 3/4 x 38 1/2

SS- 1.32

S- 37 3/8 x 28 3/4

DATE/TIME

STATUS

AREA

REMARKS

7/31/80 0330

NF

W-S North, E

Nobody pit, LHL 1/2 miss fairly new,

LFL 1/2 miss (old), RFL

8/3 0345

N

W-S South, W

C 39 3/4 x 38

S 37 3/4 x 29 1/2

1159 Rotate

101.0

96.5

95.9

74.9



15 APR 2002

47

TAG NOS-1165^{RF}

AV-122

91.4 x 83.8

CSL-1.04

87.6 x 67.9

C-36 x 33

CSW-1.23

S-34 1/2 x 26 3/4

SS-1.29

DATE/TIME

STATUS

AREA

REMARKS

7/31/82 2330

NF

W-S South, W

RHL 1/4 missing
BARN - 3rd LATERAL LEFT
4th MARGINAL RIGHT

8/1 0700

N

" " " LAY,



TAG NOS - 1162^{RF}, 1163 LFlap

101.6 x 102.2

C-40 x 40 1/4

CSL - 1.05

CSW - 1.32

SS - 1.25

AV-123¹⁵ 49 APR 2002

96.5 x 77.5

S-38 x 30 1/2

DATE/TIME

STATUS

AREA

REMARKS

8/1¹⁶ 0200

NF

W-S, North, W

Lay, sml TMR Dorsal
ventral R shoulder, also ventral

8/1 1630

B

W-S, Central, E

8/2 1600

B

W-S " "



TAG NOS-1164LFAP

94 x 85.1

C-37 x 33 1/2

CSL-1.07

CSW-1.28

SS-1.31

AV-124¹⁸ APR 2002

87.6 x 66.7

S-34 1/2 x 26 1/4

51

DATE/TIME

8/13/0700

STATUS

NF

AREA

W-S, South, w ~~area~~ LAY

REMARKS

RFL



Carapace deform, left


TAG NOS. - 1168^{4F} /

AV-125⁵³
18 APR 2002

106[✓] x 100[✓] 3

C-41^{3/4} x 39^{1/2}

S-

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
8/2/25 0200	NF	W-5, South, W	MAY NOT HAVE LAID
8/4 1600	B	W-5 Central, E	
			

TAG NOS-1166, 1167^{RF}LF1AP
92.7~~X~~ 92.1~~X~~
C-36'2 x 36'4

AV-126 55
18 APR 2002

S-
REMARKS
[10th marg R

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	
8/1 2315	NF	W-S, South, W	LAY



TAG NOS - 1169^{RF}

AV-~~127~~ 57
18 APR 2002

C-

S-

DATE/TIME

STATUS

AREA

REMARKS

~~8/2/75 0200~~

~~NF~~

~~W-S~~ South, W

LAY

~~sm~~ TMR RFLAP



TAG NOS - 1170^F

97.8 x 95.3

C - 38 1/2 x 37 1/2

CSL - 1.06

CSW - 1.36

SS - 1.32

AV-128¹⁸ APR 2002 59

92.1 x 69.9

S - 36 1/4 x 27 1/2

DATE/TIME	STATUS	AREA	REMARKS
8/2 0530	NF	W-S Central, W	RFL not sprayed
8/3 0345-0600	N	W-S South, W	LAY



TAG NOS. - 1173 ~~RF~~

95.3 ~~x~~ 87.6

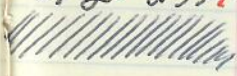
C 37 1/2 x 34 1/2

AV-129 ~~61~~

18 APR 2002

S-

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
8/2 2330	NF	W-S South , W	LAY, large BARN h side 1 st central



18 APR 2002

63

TAG NOS - 1175^{LF}

92.1 x 87.6

C-36¹/₂ x 34¹/₂

CSL- 1.06

CSW- 1.26

CS- 1.26

AV-130

87.6 x 69.2

S-34¹/₂ x 27¹/₄

DATE/TIME

STATUS

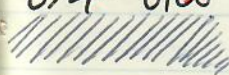
AREA

B/A 0100

NF

W-S South, W

Poss Lay



TAG NOS-

AV-131

65

C-

S-

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
8/3 0600	NF	W-S Central, W	
8/5 2300	N	W-S Central, W by tent	
8/6 0245	N	W-S further North	



TAGNOS-1178^{RF}, 1179~~LFIAP~~

18 APR 2002

67

101.6 x 91.4

CSL - 1.05

AV-132

CSW - 1.24

96.5 x 73.7

SS - 1.31

S-38 x 29

C-40 x 36

DATE/TIME STATUS

AREA

REMARKS

8/3 0600 NF

W-S Central, W

8/4 0400-0500 N

W-S Central, W

LAY

~~LFL~~



TAG NOS-

91.8 x 87.6

CSL-1.02

CSW-1.28

SS-1.31

AV-133

90.2 x 68.6

S-35 1/2 x 27

C-36 1/8 x 34 1/2

DATE/TIME

STATUS

AREA

REMARKS

8/3 0600

NF

W-S Central, w



TAG NOS - 1176, 1177 ~~FLAP~~

18 APR 2002

71

101.6 x 95.3

CSL - 1.05

AV - 134

C-40 x 37 1/2

CSW - 1.27

96.5 x 74.9

SS - 1.29

S-38 x 29 1/2

DATE/TIME

STATUS

AREA

REMARKS

8/3 0630

NF

W-S central, W

RHL

large sm / Barn / Lat

8/4 0400

N

W-S South, W

LAY, front flippers look wide



TAG NOS - 1182^{RF}, 1183^{LFLAP}

97.8 x 90.2

AV-135

73

18 APR 2002

C - 38 1/2 x 35 1/2

S-

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
8/4 / 0400	NF	W-S South, W	LHL 1/4 miss, Barn 2 nd mang Right
8/4 / 2330	N	W-S South, W	
8/5 / 0230	N	" " "	Lay, RHL trailing edge missing

//////

TAG NOS -

AV-136

75

C -

S -

DATE/TIME

STATUS

AREA

REMARKS

8/4 2315

NF

W-S North, W



TAG NOS - 1180^{RF}, 1181^{RF} LFLAP

77
18 APR 200

91.44 x 89.5

C-36 x 35 1/4

S-

DATE/TIME

STATUS

AREA

REMARKS

8/4/2330

NF

W-S South, W

LAY



TAG NOS - 1184^{RF}, 1185^{RF} FLAP

18 APR 2002

79

102.9 x 87.6

CSL - 1.06

AV - 138

96.8 x 69.2

CSW - 1.27

C - 40 1/2 x 34 1/2

SS - 1.40

S - 38 1/8 x 27 1/4

DATE/TIME

STATUS

AREA

REMARKS

8/5/2370

NF

W-S South, W

LAY, end of carapace tapered V

//////

REF

TAG NOS- 1186 LFIAP

AV-139

18 APR 2002

94.6 x 83.8

C- 37 1/4 x 33

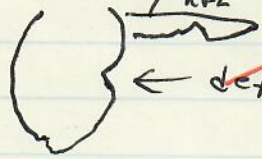
S-

DATE / TIME
8/6 / 0245
//////

STATUS
NF

AREA
W-S South, W

REMARKS
LAY BIK w/ Photos
RFL
← deform
BIG piece missing, old injury



TAG NOS - 1187^{LF}

19 APR 2002 TC-83
~~None~~

91.4 x 83.8

C-36 x 33

S-

DATE/TIME	STATUS	AREA	REMARKS
8/27/04 ⁰⁰	NF	3 EAST	Gold

~~|||||~~

84

18 APR 2002

TAG NOS. 1188^{LF} 1189^{RF}
92.1 x 87.6
C 36 1/4 x 34 1/2

~~TK~~ - NONE

DATE/TIME

STATUS

AREA

Remarks

8/28/0300

NF

South, W Whale-Scote

FRIDAY
9/5/75
September

TO **HILO** - TO KA'U to look for petroglyphs -
 at Sugar Company talked to Delmar B. Kleckner,
 Industrial Relations Superintendent - Referred to
 Bud Doty - road supervisor 928-8042 - Hiked into
 gulches on way to Wood Valley - found nothing.
 Visited Black Sand beach - Arnold Howard -
 Notes: Black sand very hot in summer - cooler under;
 Turtle blood in water - no turtles for long time;
 Fishermen came from Maui with povelheads;
 Greens put in pond crawled out to ocean;
 Turtles feed on "Red Lime" and
 Turtles are dark in color; few males; none
 ever seen with eggs; smallest seen about 8"
 shell; some small hawksbills seen. all but
 ~8 eggs are left in nest - ~120+ out to
 ocean thus far. Fire department helicopter used
 to go into park coastline. Small turtles
 seen rapid surface for air. Caught by Howard
 with hook and line. Stone enclosed area
 to hold turtles - photo. "Thousands" of
 turtles reported along coastline past
 South point. ^{Turtles feed at night with moon}
^{can be attracted by beam of light or water.}
 1000-1200 Drive through Volcanoes (Kilauea) Park -
 Visitors Center - old Hawaii - communications
Song, Poetry (Religious chants) and Oratory.
 TO **Manago**

9/6/75

to Anahou
 To **Kaihua**, new road to Kawaribae (Puaka)
 house for sale (Ron Burla's Box 1136 ⁸⁸⁵⁻⁴⁴²² Kamela)
 Area of petroglyphs reported owned by SIGNAL PROPERTIES

~~9/6/75~~
9/6/75
Friday

TO HAWI Jean Martin PO Box 150 Hanalei
w/ Fran - Hamilton Librarian. 1116 Kealaok
Honolulu 96816 Tel 737-9076

Visited Site (copies) owned by
Castle and Cook; Oceanic Properties, Kohala
Corporation. Mālea or Mālea Point - legendary
site to form equilateral triangle.
Museum at Kamaele - Salmon-reworked stones
Violet Hansen - Volcano - Amakua turtle
65-70 years old - Petroglyph knowledge.

Fred Door, manager of Kona Village - also
Signal Properties.

✓ Harry Bryan Superintendent of Nat. Park &
Lapa Kahi State Historical Park.
Visited Mookini site - upright inog? - Makai

TO Puaka Petroglyphs
TO Sunset Motel, Kailua

9/7/75
Saturday

TO Honouliuli - Blossom Sapp, at
desk, report possible Turtle in area

♀ ♂ ♀

(7)

City of Refuge National Historical Park
National Park Service

USDI

Limu "Akiaki" (Oahu - ophi Limu).
Diving in bay. Coral.

September
9/7/75
Sunday

S. Kona to Kāu Jerry Asam property
955-1527 Kona Garden Estates (card gate).
Short distance further - Kona Kai Blvd -
Reality - 521-7333 lot at corner of Topast. -
Main (road dead ends approx. 4 miles from
ocean - observed possibly POHUE Bay,
with palm trees.

Shirahawa Hotel at Waiohine.
at Punaluu - Sea Mountain Redevelopment, C. Brewer.
low rise condominium, restaurant. Reported
that beach receded considerably in last 3 years.
also that petroglyphs recently destroyed.
*Note that many petroglyph sites may be drawn
and on file at Bishop Museum.*

By Mrs. Howard - 3 types Timu eaten by
Turtles = Eke' Eke'; Huku Huku wae'a; and
red (no Hawaiian Name?).

TO Bud Doty - Father part Tahitian,
P.O. Box 726 LAHALA 96777 - TO
Turtle Cave - out Wood Valley Road, turn
right at airport - right into Macadamia nut
orchard to Budch. look for water
pipe. Photos. Reported that King
Paaoa built Waikaula and Moopini
Heiau. (From Tahiti?). Noted sign
concerning 1938 act of Congress which gave
fishing rights to at least 1/2 Hawaiian
Residents of Kapaemahu area or people
"guided" by them. TO Puu Loa petroglyphs.

Previous note: Kaalapaia area (green beach)
- Boulders offshore. Turtle area

Sunday
9/7/75

photographed one similar to site.

addition notes taken - Punalua black sand beach has
lost ground over the past 5 years. A few
coves to east commonly called "Turtle Bay".
Fishermen from Maui came to take turtle.
Green sand beach on W side of S. Point.
Parker Ranch owns Waiakini Point.
Fire Dept. Helicopter goes into park coastline.
[Russo is Park wildlife man - Volcano]
CQE Hops ~ 1935 used to butcher turtle

40 Oct 75

Letter from BMC Roger Russel (in file)
two turtles by tide gauge; ~~late~~ Sept
survey of all islands - no turtles.

October
10/27/75

Marquette visited lab - new 1500w lights to
be installed - on Tern - Swim platform
already in - glass balls, lots of visits to
other island and lots of fish.

November
11/21/75

Doug Hertz visited HIMB - Large turtles
have been seen basking on other islands.
Weekly visits to other island - fishing -
no oil - dried up hatchlings found
on runway - Gooneys started to
arrive about 3 weeks ago.

11/28/75 ^{Friday} Attempt to depart FAA - canceled due to engine failure.

11/29 SAT Depart FAA - to Kauai, Magneto trouble, return
Turtle coveggregate at KINI-KINI ditch offshore,
Basking Sargol - several observed.

Talked with ^{George} Bill Boone - his diving
instructor is Bill Fleming - catch turtles
with rope - dive down. also another
drainage area where turtles coveggregate.

December

MONDAY

12/1/75

Depart FAA/FFS 8:30 AM, Hertz, Temp. Doc,
Bill Hyatt, George (copilot - UNION President).

11/30 PM

BMC Roger Kussel called on shortwave - said he
had started seeing a few large baskers on Trig
and whale-skate after a few month absence.

12/1/75

arrive FFS - aerial survey - no basking turtles
seen. Report of desire to obtain shot gun
to scare away nesting birds in iron wood
trees. John has recorded temperatures. Whales
already in water - some North swell - also SW
swell. Swim platform turned over and sunk.
Chief FT Richard wants to bring fallen poles
from East to build dock on south side.

Last week waves from North came up on runway.
John reports some large squid washed up
on S Tern beach. Large opihii shells seen.

→ Two captive release turtles seen regularly by
tide gauge. Albatross came in to Tern
within the last 3 weeks. Eggs are now
present.

1500

To Trig - Erosion on west end - sand point detached.
Mostly BFA present, but some Laysan. BFB present.

Some seals molting

MONDAY

12/1 1500

Trig continued - no BFB eggs seen. Junstones present. Several seal signs with holes/stom spots where tags are placed.

1630

TO W-S ^{daney} BFA, LAYSAN, BFB present - also Frigate (some juveniles) and a few juvenile RFB. Apparent pups seen that are probably from this past summer season (tan, brown color). Camped on W-S. Sea Water = 25°C; sunset - 1815

12/2 Tuesday

0400 crabs present, but not as many as during summer months. Sunrise at ~ 0730 - some seals starting to come ashore ~ 0800. RFB seen during dark hours. C and G markers found in intertidal zone.

BFA Band NOS. (EAST) - 757-35223; 737-38190;

757-38324; 757-29402. (W-S) - 757-35078; 757-39168;

757-39450; 757-37740; 757-30760 Tern LAYSAN - 757-38590

sent 1/8/76

Sea Water W-S = 25.8°C

Glossy, calm - bright sun, slight breeze - methods by which seals keep cool -

1. body partly in water while basking
2. "rooting" into sand to waist area
3. put light side up

12/3 WED

Circled La Perouse. Used metal Detector on East. Turtles regulate temperature by basking partially in water.

12/4 0900

Broke camp, no Turtles on Trig or W-S - Caught one "captive release" by Tide gauge - Photographed short-tailed Albatross

sent 1/25/76

(Mail print to John Kahiapo
41-638 Kalamianole Hwy
Waimanalo, HI 96795

December
12/4 Thurs.

12/4 / 76

12/30

January
1/13/76January
1/4/76

December

12/4 Thurs.

John showed me where two seals are buried - one died just a few weeks ago, blood out of anus - mouth, young seal. Saw dead mallard duck - ago saw (live) 3 owls. check on fishing rod tip for Mike Carlson. No response on seal reports to district.



Dogs chasing off seals on Tern beach?

Many visits to other islands for glass balls.

Check on larger than #30 line to make glass ball nets.

From Sekoa ^{midway} ^{tagged as} young ^{near} Sport-tailed albatross ^{3/10/64} ^{Institute of Ornithology - seen at midway 4 years in captivity.} Young - Yonoshima ^{Tern Is.}

12/4 / 75

Return FAA, depart 1500 - checked lights at Lihue airport - night landing in Hono. Aeronautical chart of HI shows "Kaula Island" with designation of W442 A-B and R-3107 A-B

12/30

Letter from Roger Russell (IN FILE). Captive (2) releases seen feeding on sea wall quite often. Anywhere from 10-20 large turtles seen on Tjig and Whaleskate. Small juvenile seen sunbathing on East.

January 1/13/76

Sport Tail left a few days after I did. (Previous ham contact - FAA plane will continue for another year's contract. Call from Sekoa that oil is on beaches of islands at FFS. Several birds dead - they (CG) will attempt clean up.

JANUARY

1/14/76

WEDNESDAY

Ham call from Bob Ferguson via Vic - Two plastic BAGS of oil taken from Tern - W-5.

THURSDAY 1/15/76 **Depart** FAA/^{FSS} 0815, pilots Bill Hyatt, Sleepy - Friday 1/16/76
 Engineer Johnny. Roger Engstrom (correct spelling)

only other passengers.
 Rocket firing at Barkin Sands, no construction apparent. Upon take-off diverted course over Nihoa. Photo (color) of Lehua and Kaula.

Note: Talk to Sekora about my Tern nesting theory for Tern Island. Suitable title for bird-seal data - "Some observations..."

Collect data on length of time individuals bask.

Check for photos in Hawaii War Records Depository, UH.

1200 h Aerial Survey - Water very turbid due to N surf of a small sand island up by Mullet. Color photos. Basking turtles only seen on WS and Trig.

1400 WALKED AROUND TERN - ONLY ALBATROSS AND RFB^(NO EGGS)
 Present - ^{Few Fairy Terns - one egg} ^{Some noddies in trees.} no albatross eggs hatched yet. Deterioration of island apparent. Lots of burr plants. (Transfer to other islands?); Small tar^{globules} on Tern beach; Letters and news clippings received by USCG LORAN STATION. CONSIDER land desecration at FFS IN TERMS OF KAHOLAWE CASE.

Friday 1/16/76

TO Trig about 1300h - NW end of island has been cut back - "cliff" present about 6' high. Depigmented spots noted on some seal's front flippers TO WS ~ 1400 - group of subadult seals noted. only a small amount of tar globules noted on each of these islands. BMC Russel indicated that Ruddy Turnstones were found dead on Mullet^{B.T.} - No signs of oil on birds.

1/18 0800
 Sunday

Friday
1/16/76 Seven juveniles caught in W-S cove. Sea H₂O 23^{w-5}
Report of possibly 3 ^{capture} juveniles by Tide Shack.
Fair strong wind E-SE - N surf going down.
Notes to write about Places or Problems? write
to Director, Coastal Geodetic Survey about markers on W-S.
Consider shields for lights on Tern.

1/17
Saturday Sunrise - 07:50 a few subadult seal in
contact. Two observations of seal ^{flat} worms. Note:
consider time and space in island utilization.
1000-1400 TO LGIN (circled) and ashore on GIN. TO EAST-
one Tropic bird seen. Few Frigates - some red Breast Males.
Very little oil present. Hard type of oil for seen.
TO Trig, Mullet, Round. 12 dead ruddy Turnstones,
one Olive but can't fly SENT TO TERN TO FREEZE.
Report of 100 larger glass balls found Christmas day by TRIG.
NOTE: A limiting food factor for turtle growth at
FFS could be accessibility of algae e.g. shallow
on reef flat. Available to small but not large turtles.
Pink coralline algae found growing on inside of tags ¹⁶⁶⁸ LF109.
Sunset - 1835. Consider that adult
baskers seen during winter may be transients
unrelated to previous or coming breeding season.
Need to check other NH Islands for tagged turtles.

1/18 0800
Sunday Wind out of N 20-25kt, overcast, misting rain,
TO TERN. Weather reports sent to:
RSMS, Environmental Science Services Admin
Weather Bureau Pacific Region
P.O. Box 3650, Honolulu 96811
Note: article on glass ball collecting
FFS, Midway (PH), KURE

talked
to Dennis
Signist
546-
5888

94

Get supply of
Refuge Brochures

Need J455, new battery

Net hoop
2'3" by 3'4" longSunday
1/18

Tern - Told of fellow walking beach for glass balls during all hours of the night. I also shortly after XMas 2 small (10" SL) turtles ashore SW end W-S, Black shiny carapace. Report of two basking adults at ~0400 on 2nd sand/coral cove beach on N side of Tern.

Stayed on Tern overnight due to 20kt N wind.

MONDAY
1/19

Wind N 10° E, 15-25knt out to ^{TRIG} EAST, 1.6M, 6.1M - NW westerly swell running, didn't land. TO W-S - photos with glass balls, note: Seems like lots of SA's with rust stain. 1/18 0800 5 seals seen approaching S side of Tern together. Many seals up high on W-S - due to surf/wind? Consider isolated populations - can't cross breed, or don't cross breed - net result is the same = no hatching production.

Tuesday
1/20

overnight on Tern again. Release 2 juveniles on tern beach; photos. Set out 55gal shark line. TO TRIG, W-S ^{mult} EAST, W-S cove, Trig offshore and return to Tern. Some cold rain showers, wind NE. Man'o'war on beach at W-S. New oil Globules along beaches of W-S and East (Photos w/ glass balls).

Critical turtle habitat (Breeding) ^{is} where glass balls come ashore - Islands close to CG Station. Consider aspects of tag biting. Bad for plastic.

Wednesday
1/211/22
Depart
FAA 1600
for Honolulu

Wednesday
1/21 out about 1200h to Trig - W-S - EAST - GIN -
GIN - W-S - Trig.

Note - possible method of telling if a male has mated, might be thickness / scar tissue of trailing edge of front flippers from biting. Distal flipper may be bad site for males - however easily visible when foraging. Looks to me as if we have an adult resident population.

Where is old 747? Perhaps number of baskets out is dependent on weather conditions rather than time of year - at least for non-breeding periods.

Report of fishing not good any place except GINS - Fish seen but they do not bite behind W-S. Got smart?

Many RFB on Tern. One starting to make nest on W-S. Red tail tropic seen on Tern. Dogs are a problem.

Seaman recruits name Pettinato.

1/22 Tom Marquet has letter from:

George E. Tozier

2584 South Midvale Ave.

Los Angeles, Calif 90064

Dated Jan 5, 76 states he was blown ashore at FFS in 1931 as crew member of schooner bound for Honolulu. also again in 1942 when first mate on a liberty ship loaded with HE. They ran a jet sub ashore on one of the Brooks Banks

Thursday
1/22/76

Noted coral buildup 20-30' high on N end of Tern.

Station KGBS asked for people to write FF. Things to do - ① Get Robert's party ② Refuge brochures ③ Xerox newspaper articles ④ Group photos + Danny 1000 mile cake ⑤ Call Roy Lynch ⑥ Letter to Sunday Adventurist-Star Bulletin w/ photo (make it about and to the point about IVCU).

⑦ Call FCC ⑧ write Harrison ⑨ call weather Bureau

seal
note

Note from Jan 76 Science Digest - Mammals trade old coat for new with approach of winter. How do they do it? ① Length of daylight affects Pituitary/Hormones ② Duration of total snow cover ③ air temperature.

continued - things to do: ⑩ Propeller bit 10" x 12" No. 378039 ⑪ BMC Russell's address ⑫ Cable Assy, instruments #998 No. 382119; Cable Assy; Motor No. 381622 ⑬ New 12 volt Battery

Question: what does a straight coropoe unit equal in term of a curved coropoe unit?

1/28/76 Delivered xerox news article copies to FAA - met Chief BMC's attention: D532

NWS
Kimmura

Erwin G. Dato Squaw
Nat. Climatic Center
Federal Building
Asheville, NC 28801

Before March!

Roger Russell
437 Glenn St
Crescent City 95531

after March!

C.O. U.S. CG STATION
NEAH BAY, WASH.
98357

2/17/76

Two ham calls from Tom Marquette
concerning engine/boat parts. A few
(4-5) basking turtles seen on Trigal
whole-shute.

2/19

Brochures - parts to FAA - N36 being x-rayed

3/2/76

Ham call from Doug - indicated that
more turtles seem to be present on
other island (possibly smaller than
adult size) - also schools of small
sharks - swimming right by juvenile
turtles - no apparent alarm.

JAN 15-22 EXPEDITION 1976
TURTLE RECOVERIES

DATE	TAG NOS.	Measurements	WT	ORIGINAL DATA	Rec Loc	DATE
1/16/76	702 RFL	Curved length - 30 1/4 (REF 3/4 off)	CL 28 1/2"	2/6/73 SLIP MAKA PIER	♀ W-	1/16/76
1/16	1662 LFL; 1663 RF; TW 180	Right limb 3/4 bitten off (fresh), other scars C 21 1/2 x 19 1/4 S 16 3/4 x 20 1/4	45 lbs	7/22/75 WS 483 W- C 21 1/4 x 19		1/16
1/16	413 RFL; 414 LFL; 418 M	C 21 x 20 S 20 1/4 x 16 5/8	36 lbs	7/8/74 WS C 21 x 20		1/16
1/17	1668 LFL; 1669 RF; TW 158	C 17 5/8 x 16 S 17 x 14 1/8	24 1/2 lbs	7/23/75 EAST 3 C 17 1/2 x 16 1/4 S 17 x 14 1/8		1/17 Saturday
1/18	1616 RF; TW 16	C 18 x 16 3/4 S 17 x 14 1/2	31 lbs	Flattened PCS	Ter	1/19
1/18	1442 LFL; 1615 RFL; TW 147	C 20 3/4 x 18 S 19 3/4 x 15 1/2	37 lbs		Ter	1/19/76
1/19	1716 LFL; 185; 186	C 17 3/4 x 15 1/2 S 17 1/8 x 13 1/4	25 lbs		WS	1/19
1/19	1643 RF; 1645 LFL; TW 168	C 21 1/2 x 20 1/4 S 20 3/4 x 16 7/8	41 lbs	6/15/75 WS C 21 1/2 x 20 S 21 x 16 3/4		1/19
1/19	1687 RF; 1688 LFL	C 18 3/4 x 16 3/4 S 18 x 14 1/4	25 1/2 lbs		WS	1/19
1/19	1635 LFL; 1634 RFL; TW 169	C 22 x 19 3/4 S 21 1/8 x 16 1/4	42 1/2 lbs		WS	1/20
1/20	931 RFL (also tag)	C 18 3/4 x 17 1/8 S 17 7/8 x 14 1/2	30 lbs	2/15/75 WS Bask short, deform tail 18 1/4 x 16 3/4 S 17 1/2 x 14	W-	1/21
1/20	1625 RF; 1626 LFL; TW 171	C 17 5/8 x 16 3/8 S 17 1/8 x 14 1/8	29 lbs		EAST	1/21/76
1/21	1668 LFL; 1669 RF; TW 158	C 16 3/4 x 15 3/8 S 15 7/8 x 13 5/8			EAST	
1/21	1714 LFL; 1715 RF					
1/21	Caught 1737 again - W-S [not measured again]					
1/21/76	943 + another tag			2/17/75 BASK TRAIL	Adult ♀ TR	

Juvenile Turtle TAGGINGS

19 APR 2002

DATE	TAG NOS.	curved		STRAIGHT		WT.	IS.	REMARKS		
		L	W	L	W					
1/16/76	1725 ^{RF} ; 1726 ^{LF} TW 152 ^{RF}	19 3/4	50.2	17 43.2	19 48.3	15	28	W-S		
1/16	1727 ^{RF} ; 1728 ^{LF} TW 153 ^{LF}	18 1/2	47.0	16 7/8	42.9	17 5/8	44.8	14 3/8	25 1/2	WS
1/16	1730 ^{RF} ; TW 155 ^{LF}	17	43.2	15 1/8	38.4	16 1/2	41.9	13 33.0	21 15	W-S
1/16	1731 ^{RF} ; TW 156 ^{LF}	17 3/8	44.1	15 7/8	40.3	16 5/8	42.2	13 3/4	22	W-S
1/16	1732 ^{RF} ; TW 157 ^{LF}	18	45.7	15 1/4	38.7	17 1/8	43.5	13 3/4	25	WS
1/17 ^{Saturday}	1733 ^{RF} ; TW 159 ^{LF}	18 7/8	47.9	16 5/8	42.2	18 1/4	46.4	14 1/2	27 1/2	WS ^{Tip of RFL recent, off}
1/17	1734 ^{RF} ; TW 160 ^{LF}	17 3/8	44.1	15 5/8	39.7	16 5/8	42.2	13 1/4	23 1/2	WS
1/19	1735 ^{RF} ; TW 162 ^{LF}	18 1/2	47.0	16 1/2	41.9	17 3/4	45.1	14 1/2	27	WS
1/19/76	1736 ^{RF} ; TW 163 ^{LF}	17 7/8	45.4	15 5/8	39.7	17 1/8	43.5	13 5/8	24 1/2	scales missing FLs Hind W-S Tattered
1/19	1737 ^{RF} ; TW 164 ^{LF}	18 1/4	46.4	16 1/8	41.0	17 1/2	44.5	14 1/8	27 1/2	W-S
1/19	1738 ^{RF} ; TW 165 ^{LF}	15 7/8	40.3	14 3/4	37.5	15 1/8	38.4	12 7/8	18 1/2	W-S
1/19	1739 ^{RF} ; TW 166 ^{LF}	17 5/8	44.8	15 1/2	39.4	16 3/4	42.5	13 1/4	23	W-S
1/19	1740 ^{RF} ; TW 167 ^{LF}	17 1/2	44.5	14 5/8	37.1	18 3/8	46.7	17	26	W-S GOLD
1/19	1741 ^{RF} ; TW 170 ^{LF}	20 7/8	53.8	18	45.7	19 3/4	50.2	15 1/2	37	Photosp. speckled
1/20	1742 ^{RF} ; TW 172 ^{LF}	16 1/2	41.9	15 1/8	38.4	15 5/8	39.7	13 3/8	21	W-S
1/20	1743 ^{RF} ; TW 173 ^{LF}	17	43.2	15 5/8	39.7	16 1/2	41.9	13 3/4	24 1/2	W-S
1/20	1744 ^{RF} ; 1745 ^{LF} ; TW 174 ^{LF}	23 1/4	59.1	20 1/4	51.4	22 1/4	56.5	16 1/2	41.9	W-S
1/21	1746 ^{LF} ; 1203 ^{RF} ; TW 175 ^{LF}	28 1/4	71.8	25 1/2	64.8	26 3/4	67.9	20 7/8	53.0	W-S
1/21/76	1747 ^{LF} ; 1748 ^{RF}	17 3/4	45.1	16	40.6	17 1/8	43.5	13 5/8	34.6	EAST

|||||

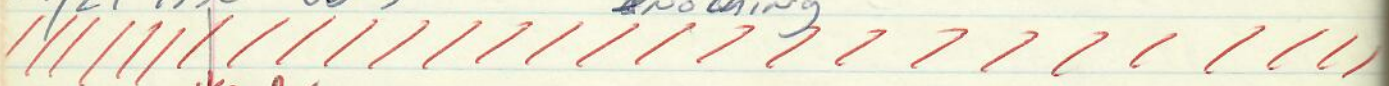
Adult TORTLE TAGGINGS

DATE	TAG NOS.	Curved		Straight		Island-REMARKS
		L	w	L	w	
1/16/76	702RF OFF New 1722 LF; 1724RF	30	3/4	28.1	-	W-S Basking
1/17	1201 RFLap	(Twelve hundred and one)				♀ Bask TRIG
1/17	1200 LF					♂ Bask New Mullet
1/20	1202 RF					♀ Mullet basker
1/21	1749 LF; 1204 RFL					♂ Trig basker
1/21	1205 RFL					♂ Trig basker

To Page 98
"1976
"Summer's"
Book

BASKING TURTLE CENSUS

DATE/TIME	Island	BASKING				OFFSHORE			
		M	F	I	Total	M	F	I	Total
1/15/76	W-S	-	-	3	3	-	-	-	-
"	Trig	-	-	1	1	-	-	-	-
1/16 1300	Trig	-	-	-	0	-	-	-	0
1/16 1400	W-S	-	1	-	1	-	-	-	0
1/17 1400	EAST	0	0	0	0	0	0	1	1
1/17 1445	New Mullet	1	0	0	1				
1/17 1530	TRIG	0	1	0	1				
1/17 PM	W-S	reported by CG		1	Scared off by CG				
1/19 1700	W-S	1	0	0	1	2	0	0	2
1/20 1245	W-S	1	0	0	1	-	-	+	1
1/21 1600	Trig	2	1	0	3				
1/21 1530	W-S	Nothing							



↓ To Page 95. "Book"

MONK SEAL CENSUS

DATE	Time	Island	Adult	SA	POP	SWP	LYP	P
1/15/76	1200	Disappearing	-34	LGIN	-6	GIN	-10	
		EAST	-1	Round-Mullet	-?	-6	W-S	-15
		Tern	-3			TRIG	-8	
		TOTAL = 83 (excluding Shark)						
1/16	1300	TRIG	26	17	0	0	2	4
1/16	1400	W-S	31	41	0	0	6	3
1/17	0745	W-S	6	12	0	0	3	0
1/17	1030	LGIN	6	2				
1/17	1100	GIN	4	3	+	6(?) detached sandspit		
1/17	1200	EAST	10	12	0	0	3	2
1/19	1130	W-S	32	29	0	0	2	5
1/20	1215	W-S	28	32	0	0	2	1

||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

MONK SEAL CENSUS, cont.

<u>DATE</u>	<u>Time</u>	<u>Island</u>	<u>Adult</u>	<u>SA</u>	<u>Pop</u>	<u>SWP</u>	<u>LYP</u>	<u>P</u>
			AZ					
			A					
			AZ					
			AZ					
			AZ					
		2-W	A					
		2-W	A					
		2-W	A					
		2-W	AZ					
		2-W	AZ					
		2-W	AZ					

- RECOVERIES -

MONK SEAL TAGS

<u>DATE</u>	<u>TAG NO.</u>	<u>STAGE</u>	<u>Location</u>	<u>REMARKS</u>
1/16/76	A910	SA small	W-S	71" (?)
1/16	shark scar on BACK TAG present	A	W-S	w/male very fat - w/male, preg?
1/16	A1026	SA	TRIG	
1/17	A768	SA	EAST	male
1/17	A754	SA	EAST	
1/19	A672	A	W-S	
1/19	A918	A	W-S	
1/19	212	A	W-S	100 photos good photos w/ glass
1/20	A500	SA	W-S	
1/20	A754	SA	EAST	
1/20	A1094	SA	W-S	healed nose lip bite

JAN 15-22, 76 EXPEDITION

	Juveniles capture	summary of those- Recoveries
1/16/76	7 W-S	2
1/17	(1 EAST 2 W-S	1 EAST
1/19	11 W-S	4
1/20	4 W-S	1
1/21	(1 W-S 3 EAST	2 EAST (1 of these caught 1/17)
Total	28 individuals	9 individual recoveries

UNIVERSITY OF HAWAII
Hawaii Institute of Marine Biology
Coconut Island - P. O. Box 1346 - Kaneohe, Hawaii 96741

20032
S1656