

BALAZS

1980

DAILY LOG - BALAZS

1 JANUARY 1980 - 21 AUGUST 1980

DE 77541

1977

LIBRARY OF  
GEORGE H. BALAZS

UNIVERSITY OF HAWAII  
Hawaii Institute of Marine Biology  
Coconut Island • P. O. Box 1346 • Kaneohe, Hawaii 96744



## COMPOSITION BOOK

9¾ IN. x 7½ IN. (24.8 cm x 19 cm)

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AVAILABLE AS:

No. 09-9130 (1130) 60 SHEETS COLLEGE RULED & MARGIN  
No. 09-9132 (1130-P) 60 SHEETS COLLEGE RULED & MARGIN  
No. 09-9134 (1143-X) 100 SHEETS COLLEGE RULED & MARGIN  
No. 09-9132 (1130-P) NUMBERED PAGES

Made in U.S.A.

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VERNON McMILLAN, Inc., ELIZABETH, N.J. 07208



1/2/80 L.M. Ehrhart - Oviedo FLA (home)  
 Wednesday called ↑ (305) 365-3773

↓  
Eleanor Shanrahan - National Geo.  
 (202) 857-7278

1/3/80 Thursday  
Laurie Sanderson - called about  
 photo equipment - with Parrish  
 at (55) Saw turtles at surface from boat  
 on a few occasions off Trig, on  
 the way to WS.  
 Spearing Fish - saw gray reef shark  
 and tigers. Saw Black tipped shark  
 Saw many turtles at Puako  
 while diving.

Oscar Davis - (948-8620  
 261-3182  
 works at Bellows on Plovers

1/2/80  
 Wednesday Sally Hopkins's "carapace" tag  
 suspended in CI lagoon.  
 engraved.



1/3/80 Bellows at ~ 3:30 PM fisherman  
 Thursday at end of rock groin #1. Walked beach  
 and found 7 fecal pellets (2 larger diameter);  
 also small Manopwa, and a few  
 Janthia. Two sections of net laid out  
 out ~ 5:45 PM.

Out of water at ~ 10:45 AM  
 total time = 17 hours

~ 9:20 AM recapture data on page 5.

1/4/80 Arnel Johnson may charter  
 Friday vessel for work seal survey during  
 March 1980 - \*should send Nat. Geo.  
 name.



1/4/80 will return to Ralph Alexander called  
 FRIDAY <sup>Hawaii</sup> 15 February 1980 - from S. California -  
 Looking for a job.  
 (714) 825-4385

Information from Steve Smith 1/7/80  
Midway -

KK President of Club:

Scott Gilliam (entitled)

Game Warden:

ENSIGN Jeff IMMEL

(also member of KK)

ASST. Game Warden  
 ET3 Brandy BOYAK

Commander Martin KUHNEMAN  
 CO Midway

Lt. Comm.  
 XO Sam Copper



JAN

4 ~~DECEMBER~~ 1980 BAFS

RECOVERY

0920 caught. Tag # 3095 LFL / 3094 RFL

6/6/79

data → 20 1/2 15 3/4

(S) 53.9 x 41.8 19 3/8

(C) 58.0 x 50.6 22 1/4

PL 43.2 16 5/8

Head 8.1 3 1/4

Tail 10.6 4 3/8

Weight 44 lbs 46 lbs

Small pieces of algae retrieved from mouth; stomach pumped - appears to be only liquid. 2<sup>nd</sup> lat left appear to have "3-prong" spear marks.

2 Large barns 1<sup>st</sup> 2<sup>nd</sup> lat Right (removed) photos taken.

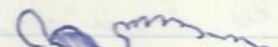
No skin barns. Pink coollins on carapace -



Kam

18 DECEMBER 1979

Kahaloo - Kawelo's area - (Waihole study site)

The weather was calm so decided to visit the north study area, 11:30 am entered the water, visibility poor - barely able to make out the reef from the surface. Anchored on top of reef by "smooth porites hollows." (those smooth tracks worn on shallowest part of the reef) visibility: fair 10-15 ft. Water getting progressively cloudy as it gets deeper, - suspended material in water. Turtle was sighted in a small broken ledge 

Appeared that the turtle saw me so I approached from the rear and grabbed the turtle. Depth of water about 12' deep. Brought turtle to the boat, animal had many barnacles, one large one on front flipper. Collected amphipod from skin (surface) of neck folds, saved in formalin. Put in cage on floating dock - stayed most of the time on the bottom, hard to bring to the surface.

27 DECEMBER 1979

survey of Ala Wai Boat Harbor

Arr. 10:35 am End 11:40

some debris in water - grasses, wood, much jelly fish in water  
tree branches



top view

No turtle



no barnacles



length of  
breath-hold?



Dock "G"

- Paiho
- Sundance
- Stingers
- Hola Lady
- =
- Wind Song
- Namen II
- Isle of Bliss
- Prologal
- Ke Au Hoo
- Tina
- Hsuan
- triumph
- drainage outlet

Harbor Div.  
improvement  
(new concrete)  
docks

2<sup>nd</sup>

Begin 1400

End 1500 Not turtle

Walk along Dock "G".

3<sup>rd</sup>

Begin 1640 - turtle sighted by 5<sup>th</sup> boat about 60' away from me. 1 breath heading away from me toward open water.

The surface water is

calm, something big is creating ripples on surface - turtle or fish?

1705 - nothing special

1724 - Turtle breaking surface by 3<sup>rd</sup> boat

1725 - Turtle again, a little longer on surface but still cannot see shell.

1800 End survey.

Turtle: small, stays below surface for long time



SEWATER  
IN CAGES - 23.5°

1/7/80 Information from P. Johnson -  
 Bryan visited Sture with USCG c-130  
 in November - stayed only 6 hours -  
 saw some juveniles that might be  
 TYP; Noted trespasses in off limits  
 area - wrote memo to D. Gates.

8-13 JANUARY 1980 - GAINESVILLE - OUIDO  
 FLORIDA  
 TRIP

1/14/80 → ANNIE RODEWALD INTERVIEW

1/2 way between Camp Endman  
 and the end of the beach -  
 - small cove - ~~PAI~~  
 PAI

1/8/80 Storm 10-10:30 AM  
 " Before camp Endman  
 " KAUM PAI - just past end of Pillingham  
 semi popular body surfing place  
 saw) straddled on reef - high dry on rock  
 flopping hard & (NOTE: like I saw Aug 82 at Nvalolo KAI!)  
 subadult - next wave came -  
 turtle went back out (feeding?).

Five minutes later, saw turtle ~ 29"  
 surfaces for air, by black rock -  
 two fellows waited, jumped on -  
 but let go - other fellow fell on  
 one too.



From where Ann was parked, you  
could see end of runway & trees  
of Camp Edward — Sand Beach  
love. (Whilva Beach Rd turns into  
68361 Crozier (637-5515))

Father is a fishpotter —

1/15/80 Telephoned Eleanor <sup>(collect)</sup> — NG Society to comment  
TUESDAY on work seal manuscript

1/15/80 Placed two pieces of scutes from  
Chelonia (Enewetak) between plywood  
with photographic paper. Taped up  
and put in lab ~~closet~~ closet.



SATURDAY 12 JANUARY 1980 KAM

Survey of Lanikai turtle report area. 860 Mokolua  
 Dr. - the house is near the entrance of the Lanikai  
 community, public-right-of-way is 3 houses from  
 subject house. Time: 1100, peak high tide,  
 water: calm, no shorebreak, but water is very  
 brown, dirty and cloudy. In front of the  
 house there appears to be several reef areas,  
 possibly a good place to set the net - though  
 there is no beach to pitch camp, public-  
 right-of-way is moderately narrow, well-traveled  
 and a bit dirty. Survey of the underwater  
 area not made. Exit of area: 1130

Swam from Lanikai beach, (end of the road)  
 to Twin Islands (Mokolua Is.) - water very  
 brown, nothing to report - no turtles sighted

1/2/80 Sally Hopkins (bolt, nut, 2 washers w/wood  
 suspended by turtle pens (1/14/80 → boat dock)  
 (see letter in file 18-8 Stainless)

1/14/80 Mexican coins - suspended by boat dock

20 c. (1976, 1979)	—	2
cincoenta centavos (1968, 1979)	—	2
1 peso (1975)		1
5 peso (1976)		1
1 spoon (Weston Airlines, 18-8 stainless steel - Japan)		



TURTLE EGGS Diameters		(Confiscated)
1) 40.4 m m	26)	40.4
2) 40.0	27)	40.7
3) 39.3	28)	39.8
4) 40.4	29)	40.7
5) 41.5	30)	39.2
6) 41.7	31)	39.2
7) 41.1	32)	40.2
8) 39.1	33)	40.2
9) 40.8	34)	39.1
10) 39.7	35)	39.3
11) 42.2	36)	39.7
12) 42.2	37)	42.6
13) 41.1	38)	39.6
14) 40.1	plus (+) 8 (3 saved - formalin 5 already opened)	
15) 39.4		
16) 41.6		
17) 37.2		
18) 42.1		
19) 40.0		
20) 39.9		
21) 40.6		
22) 40.7		
23) 40.5		
24) 36.7		
25) 39.3		

Total number of eggs = 46  
measured 1/14/80

obtained from Kim Wright - FWS  
Confiscated importation

Mean - 40.2mm N=38  
Range - 36.7 - 42.6



4/14/80 TV report on Mayan Great  
 Pyramid of Ismal (sp?) - 2011 AD  
Turtle figures present.

4/16/80 - <sup>report</sup> Post (11) Korohe Bay - turtles  
 Wednesday regularly sighted while diving.



16 JANUARY 1980 wednesday  
Meeting with Shomura

1. Tracking (Radio)
2. New Caledonia
3. my report
- 4.

TRACKING - males & females  
basking & resting  
\$4000.00 for gear - radio tracking

Warren Stamps - porpoise tracking -  
Andy has information

her  
Jacky Jenning satellite transmitters  
(Porpoise)

Scratch together → what we understand  
to do

- for FWS
- Shore trials
- 6 tags - \$800 extra, scan channels
- 10 standard frequencies

March - December 1980 → Cromwell



1/16/80  
Wednesday (this)  
Fiscal year extends to October (sept 30th)

Hendrickson & Tridell, visited Shunna for one hour on Friday - Hendrickson will have 1 yr Sabbatical - Reed Chira + I try bottling transferring plastic material to compare - wants to use FFS (500?)

\$3000.00 for Andy's student to replace time spent on turtles.  
Prepare proposal on inter nesting tracking - see Mexican thesis Carr Ascension CopeIA

21 JAN 80 | - meeting FWS-FG-NMFS  
9 AM Planting for Field Work in NHI.

→ Great white Shark - track - TRICAS  
IN AUSTRALIA

Submit an unsolicited proposal  
\$15,000 FFS  
\$15,000 Foraging

Looked over planning doc at Honolulu.

→ enclosed is unsolicited proposal same idea on reporting period

IPA route  
2 ways →

1/17/80 <sup>w/ file (monk seal)</sup> Called "Gabby" about 3' seal observation off Sandy Beach - 923-4725



1/17/80 observed large pieces of plastic bags  
 Thursday coming out of WS 19A4 turtle in  
 CI cages - apparently blew in with  
 storm - and eaten. Turtle seems OK.  
 Can safely pass through tract (recall Anwaral Jarai turtle)

1/18/80 FRIDAY - 10:30 Meeting - Shomura / Helfrich  
 Manning - NOAA vessel - ran aground PH -  
 Going to rest & collect glass balls.

- Helfrich - two ways
- 1) IPA → transfers funds to UH
  - 2) Go on leave of absence (not for soft money)

\*  
 1/20/80 Check book - person of Audrey <sup>make telephone inquiry</sup>  
 Sunday "Paddling my Canoe"  
 She traveled remote coastline -  
 ask about seeing turtles.



9 AM

21 JANUARY 1980 MONDAY →Meeting at NMFS Honolulu lab (FWS-BFG-) <sup>Zepp</sup>NMC letter <sup>19-20?</sup> February in Miami - <sup>will discuss</sup> monk sealsRS  
("The Monk seal surveys - high priority")GHS  
Significant TRAVEL  
Support -  
① FWS travel / Support at FWS  
② Ship Nafel  
③ USCG

Two Methods of Stock Assessment (Johnson's)

- 1) Petersen / Lincoln method / INDEX
- 2) Molting Survey

(Why haven't Seattle / others done this?)

TAGGING?

Aerial Surveys?

Tracking?

FWS Dale - Uncertainty of supporting Laysan  
"operation"  
Charter for establishing camp.note

Invitation out for Laysan "operation".

- Craig's General Plan -
- 1) fill in holes in food collection
  - 2) population banding - color codes
  - 3) radial logging



1/21/80

check

NEED CHART 530 17  
(San Diego to Aleutians to Hawaiian Is)

MONDAY

Frequencies in use by 1) Harrison 2) DeLong

Shooting - "feeding in flocks" - not popular  
with crew.

Energetics → Whitton <sup>Proposal</sup> (NHI study depending on).

3500-4000 sample ~~sample~~ size FWS Harrison

→ Pete Herdriks - PO Box 1327 Kailua, <sup>96740</sup> HONA

→ Howard Takata - 2349 Kalanianaʻōle Hwy, <sup>96720</sup> HILO  
(Pat Chock)

21 JAN 80 MONDAY BELLOWS NET

Seawater 24.5°C top/bottom

no turtles seen - calm seas,  
little waves (w wind?)

Asr cod - 2 nets in #1 jetty at ~ 6 PM

22 JAN 80 TUESDAY last morning ~ 10:30 AM, no turtles seen -

Group of 5 to jetty for fishing - Man  
states that turtles seen most in summer -  
he has occasionally caught turtles -  
not hooked in mouth, but rather  
tangled in flippers.

Passer-by stated that last summer



22 JAN 80 TUESDAY

July 1979) his daughter & son-in-law saw  
 (Spanish) man "catch" a turtle from  
 jetty - took "4" hours to bring it in -  
 was then released - no mention  
 of tag.  
CONSIDER - informative sign being  
 posted at Bellows telling about turtles

Nets taken  
 out ~ 12:45 PM - no  
 turtles seen - photos taken of  
 Alan by net.

23-26 JAN Big Is. Trip w/ Lind & Christian -  
 See other book.

28 JAN 80 Bellows Netting - in water  
 Monday at ~ 6:15 PM  
 23.5°C seawater  
 Calm water - SW winds

29 JAN 80 Nets out at ~ 2 PM (temperature  
 TUESDAY 29.5°C surface  
 29.0°C bottom)  
 19:45 hours total  
 Saw a single  
 turtle ~ 10 AM ~ 100M  
 out past net -  
 NO CAPTURES -



call Earl Murchison 254-4311

19

29 JAN 80 <sup>HU</sup> Vernon reports that 5 "seals" (4-5')  
Tuesday were seen just outside Kaneohe Bay  
(from Salfu).

30 JAN 1980 — Cynthia Thielen  
1164 Bishop Sub 1100

Wed.

Call from 96813  
→ Soren Bjordahl & Carr

Bioglas → make a screw - hard around screw  
- message on head  
\$3000.00

Concerning Leo Brongersma

30 JAN Motored <sup>11 AM 3 PM</sup> to Bellows from fab-  
surveyed front of house in Hanikai-  
→ 860 Mokulua Drive Pt. Hiker: 261-2724  
Saw shell at neighbor's house -  
surveyed reef area to the south  
of Twin Islands -  
This is where Gary W. has  
set net for turtles - start in  
shallow and extend out deep.

5-6' deep - he still sees  
them - a few weeks ago



20 CRAIG Harrison currently reviewing State request  
open Rob for TERN IS.

31 JAN 80

Thursday

(Department of Tropical Medicine  
Keahi Hosp.)  
Dr. Kliks - 734-0221 extensum 274

Will send parasites from monk  
seals / also loggerhead articles <sup>Etepaio</sup>

1 February 1980

FRIDAY

~1:30 AM left Coconut Is. in  
Boston whales for survey of Kaneohe  
Bay - light wind, calm seas -  
just starting to blow out of north.  
~1/2 mile from Club toward Ahu-o-paka I  
noted debris drifting in which  
included banana stalks and numerous  
floating algae (seen to be Sargassum,  
Hypnea, small pieces of Codium and  
Halosiphia). Two, possibly three  
turtles (1-2 juveniles; 1 subadult)  
in area - possibly feeding on algae.

Near Ahu-o-paka I noted small  
juvenile on the bottom in sandy drop off  
area - dove in, but it swam away.  
Noted that algae comes off of  
shallow reef flat and down sandy  
slope. Nets were set here, but  
no captures made - only Doty (\_\_\_\_?)  
algae introduced from the Philippines.

→ Perhaps should set again using many nets.



2 Feb 80 (continued)  
Friday

At Kawelo area (Kahului) found water to be silty - but located central, shallow reef. Skin dive in area. Saw 2-3 turtles rise at surface in different areas.

Note - Study plan for this site could include use of stands - set nets and at same time do night dives from whaler using lights.

2 February 80  
SATURDAY

Visited Alamoana Americana Hotel to see turtle shell decor in lobby - Found none - but saw Harry Kane. (sea shells in decor)

5 total

Visited Kahala Hilton Hotel - one adult female seen hauled out half way on rocks basking in shallow pond area adjacent to Terrace Restaurant - 4 others (2 ♂ - one being small, 2 ♀, one being large w/ front flippers partly off but healed). in pond area other side of sidewalk. Pond ~ 2 1/2' deep. - but no area available for basking.

NEEDS

NEEDS FOR Kahala -

- 1) follow up on earlier letters w/ manager
- 2) No. turtles previously present
- 3) Register w/ U.S. (?) - Tag
- 4) Construct sign EDUCATION



2 FEB 1980 (continued) on the way home to  
 SAT Hawaii Kai we drove out Park Road -  
 - Houses on the way - 2 right of  
 way <sup>present</sup> to mud flat ocean.  
 Private road sign at end of road -  
 this leads out to P. Trabos  
 through Paikou Refuge.  
 At Kulionou, drove down to  
 Refuge sign - restrictions noted -  
 lagoon has open inlet over mudflats.  
 Noted Kulionou drainage ditch,  
 reported by Midway sailor, that small  
 quantities were regularly observed at  
 entrance.

3 FEBRUARY 1980 Drove out to Maialua -  
 SUNDAY Mokuleia - saw Dillingham Field -  
 glider rides available for \$17.50 each -  
 Noted nice, grassy park - large  
 waves coming in along coastline.  
 Stopped at "Kawai Pal" - lots of  
 feele on beach - rocky reef area  
 close to shore.  
 Slightly farther down the road is Camp  
 Erdman - sign for reservations  
 YMCA office 941-3344  
 → check A. Howard reports for this area.

will mail  
 literature



3 February 1980

SUNDAY

Visited Coral Babbloom -  
 saw gold painted turtle shells  
 used as lamps - three to a pole.  
 (104) green (most adults), 1 loggerhead.  
 Indented marginals suggest to me  
 that source may be Mexico -  
 but sizes look large.

Needs -

- 1) Name of top official for Hilton - write
- 2) Find out source
- 3) measure

5 February 1980 Discussion over telephone  
 with FWS Kim Wright

- 1) Anne report about two fellows bringing  
 turtle up beach in Kahuku
- 2) kau - lights; poaching
- 3) Turtles in ponds - Hilo
- 4) Anderson's status (response unknown)
- 5) Sale of "farmed" turtle in Hawaii  
 How long would "stocks in freezer",  
 last? Pine Hill - may be Huggo's King
- 6) Are DFG people enforcing turtles - NO not clear

call Adv. Chapman

Jim Barte  
 write  
 letter?



24  
call from -

Cynthia Thielsen

→ Jody in charge of Olopana singing group

→ Ronnie Daily - in charge of Ohava  
visit to Kabalawe

6 FEBRUARY  
1980

Dizon - transmitter - 3.65 x 5.1 x 7.1 cm

255 grams

7 Feb  
Thursday

tried to call - person who answered said she  
would call back.

M.M. Goodwin - DUSON -

Washington, D.C. (202) 695-6907

I also called of 6 Feb -

(she called me 8 Feb - but I was at Bellows)

→ Makomb Forbes' Island (in FIJI)

(consumer report)

lives in fresh water for  
10 months - small, possibly  
hawkbills -

8-10" shell (2013)

Maroger -

1/2 mile to center of island

Happen etc come up

off

Taveuni

information from →

Gordon Dapron

4403 Kahala

Honolulu - 9816

732-3022 home



Gordon  
Damon  
continued

HUG605 - Kona  
Turtle Steak?

25

Jackie Kilbright (?) called on 2/11/80  
and informed me that turtles were hawkbills  
~12" long - Island is Laucala (pronounced  
"Laythala" - 500-800' at highest point, located to  
the east of Tavuni. Ric Cammick of Tavuni  
near airport runs dive charters - can provide  
transport to Laucala.

NOTE: Charlie Peach owns Regent of Fiji  
- also SLP

7 February 1980 TO BELLOWS - Trade winds  
Thursday have now started to blow again

2 Nets in water at ~ 6:15 PM -

Seawater surface - ~ 25.3°C

Two fishermen at end of jetty -  
been there since early afternoon -

fishing for bonefish. I have caught  
nothing - comment made that when  
turtles are ~~seen~~ <sup>seen</sup> - fish are caught - and  
visa versa. one man stated that he  
has caught 15-20 lbs turtles many times -  
hooked both in mouth and at  
various places on body.

High tide ~ 1 foot at ~ 8 PM

8 Feb - winds decreased - hot and sunny.

FRIDAY Two fishermen at end of jetty said  
they saw turtle ~ 11 AM

Both Kam and I thought we saw  
turtles on occasion, but not positive.  
AMTRAC practicing during AM.

Seawater 25.5°C

Nets out at ~ 2 PM. Set #2  
observed - NO Turtles

NO  
CAPTURES

no turtles  
seen

Total  
Time -  
19:45  
hours



26 1600 Pacific

→ Sent 1330 96814 from 9551155

Mr. Jim DeLan  
944-1254

8 February 1980

ATE -

→ Air Traffic Conference of America

Friday (US carriers)

1709 New York Av. NW  
Washington, D.C. 20006

\* Get PAN Am  
article about  
FWS fine

(202) 872-4076

~~call  
PAA~~

Executive Society  
IATA - International Air Transport Ass.  
1155 Mansfield St  
Montreal 113, P.Q.  
Canada

Airline  
ATA Guide → updated every month  
(will set 2 aside for me)

7 February 1980 from Alan Zeigler:  
Thursday

Sierra Club National News  
530 Bush Street  
San Francisco CA-94104



Call AIR (?)

July 1976 trip Book 27

→ Hawai National Guard - concerning flights to FFS

Called V. Byrd  
12 FEB

828-1431 (charge to lab)

END of May - tracking  
Byrd - boat - Food - Flights - [March 8<sup>th</sup> gas - oil  
→ How - Baker - Jarvis - Rose?

~~STILL~~ possible fall trip  
JARVIS → lots of cats  
Howland → some cats

\$6.00 per day  
term 15. term → UCLA  
Both Flint

Causey - Verman  
Amp Guse  
Single phase?

12 February 1980 Tuesday  
637-4615 called  
Camp Erdman - Bill Suzuki 12 years  
office:  
401 Atkinson Drive after February  
-96814  
Environment Program  
21,000 students per year

(21 May - 11 June - Tracking)

(25 June ~ 13 July - monitor nesting)

~~sent~~  
Modify permit



28  
Resolution  
to Navy  
with Gates

Power  
letter  
to Dale

( Mid-March KVEE USCG )

12 February 1980 2PM meeting at NMFS  
Tuesday Lab - concerning Section 7  
consultation - NHTF.

B.P. Johnson  
~~10 days~~ at FFS - ~~10~~ end of February

black marks on juveniles

→ picked up by charter vessel  
Johnson's 10 March - set off and camp at  
Laysan

12 May - leave Laysan return to FFS  
- one month there -

depart 6 JUNE FFS return  
to Laysan

27 July return to FFS  
mid-August depart



13 February 1980

Wednesday Tony Watson - Calendar for Valentine

13 Feb Visit by Tom Murray - Sea Grant  
+ Rick Grigg

13 Feb John Elford - 949-4321 x 70092  
Hilton Hawaiian Village -

secretly informed me that  
turtle shells were obtained in 1970  
Interior Decorator -

~~777~~ Lowell Barnhart  
said structure - ballroom was constructed  
in 1969-1970.

Shells obtained from  
Tony Duquette

824 N. Robertson  
Los Angeles - CA 90069

sent  
letter  
2/13/80



"neutralize"

Photo

Topics for Sea Frontiers paper

30  
- seal turtle photo?  
Bird on back of turtle?  
- Refer to date, Sea Serpents?  
missing flipper

airial BW - Birds turtles seals?

- aerial views of FFS
- seal or sea turtle
- birds turtles (include sand flip)
- researchers in action
- turtle returning to nest
- underwater - surface to top surface
- Flipper missing - Tiger shark

15 FEB 1980 FRIDAY  
Gary W. (Baldwin's assistant) brought me the front limb bones of a small green turtle found under rocks along shore across from Chirawan's Hat.  
 TO BE DRIED & Measured - poss. bone polish sectioning

16 Feb Saturday (904) Anne Meylan -  
 375-8937  
 called her about sample letter



1. Assistant - Adams? - 775  
 a) maintenance of hatchling 1550  
 b) foraging posture 775  
 9300 - RCUH

2. TRACKING STUDY - <sup>need</sup> Advise Assistance  
 Commence: 6 June - for 3 wks (to 27 June 1980)  
 Telemetry - receivers at Tern and NW end of East for movement of turtles believed to be fixated on Upak-Skate.  
 FERN - 2 + FWS caretaker wives  
 East - me + one  
 Partial monitoring - tagging to continue after telemetry  
 termination - + 2 weeks (to 11 July)  
 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980  
 INCONEL  
 Eight consecutive years - third year after commencement of INCONEL.

16 FEB 80  
 Saturday  
 10:30 Meeting  
 w/ Shemura

Al Jewison - tracking project

(Salmon - ~~tracking~~ rose tag  
 Seattle man



22 Feb 1980

Date of recovery:

Kahala mortalityBISHOP MUSEUM

oesophagus

↑ PRIMARY STOMACHpockets of Amansia" of fine filament Codium

"packed full of algae"

excised BP Museum  
 stomachs -  
 #1 & #2  
 preserved for  
 Russell  
 analyses

Gastro-intestinal tract  
 - full of algae

weight of contents  
840 g

SECONDARY PORTION

- intestinal wall tissue decomposition
- + Amansia in lower part

weight of second section:

514.5 g



done 20 Feb. 1980

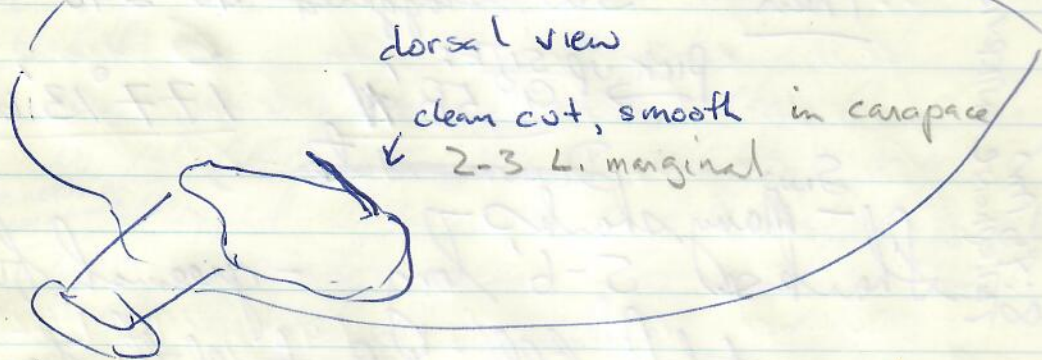
BPM<sup>Museum</sup> #6737

specimen

45.5 CW

TAIL - 10.5

72 cm - CL



Platylepas

Ventral humerus: slashed marks



skin barnacles

left humerus - complete

no shell

Polysiphonia on skin

lungs - 21 cm



interior marginal

- joint of PL [28 cm (spine to interior edge of marginal

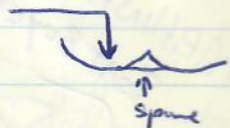
thickness of FAT at mid-carap. .5 cm

Pelvic region

1.5 cm

4 cm at Hind region - up back

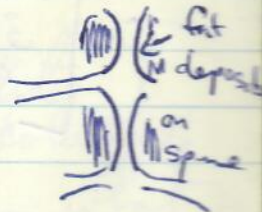
very thin layer of fat at lungs



Sand: impacted into interior cavity

♀

dentle, gonad development very small



SANG: Stomach contents GB

Bishop Museum - saved portion of skin, barnacles



34  
Refer to  
Newspaper to  
13 FEB 1980

article → IN JOHNSTON FILE  
John Liebespeck 487-6531  
steered boat 240° from Honolulu  
after incident

NO TURTLES  
SEEN

(30 Nov - 4 Dec stayed in an area near Johnston)  
50 miles North of Island:

Then SW staggered 210°-240° course

Pick up SITE:  
→ 9° 58' N 177° 13' W

Saw ~~Down site~~

Many sharks  
Sharks 5-6' long - greenish brown

12-15 total followed boat all the time 30 days -  
Water rough; may have been more.

Stomach of sharks contained fish - (one whole)  
but not edible - skin  
peeled away by acid.

MAHINA - IFE - PUA  
BOAT BUYER

STEWART PARNELL WALSH  
3426 SACRAMENTO ST.  
SAN FRANCISCO, CA 94118

90-50  
23

Thank Anne  
for Animal  
Orientation  
Pearl

Morgan  
contact  
for

(18) Noted as first - 6m% - Edusot -  
Others (WAF?)

TE  
num



90 to TORTUGUERO  
ASCENSION  
RANCHO NUEVO  
23 FEB 1980

- should we be capitalizing green turtles? 35  
Copeia  
- Radio tracking

TURTLE NEWSLETTER - POINTS TO REMEMBER  
(Communication to care people) TO ANNE:

- 1) Fiscal Accountability (# ~ 700 in there)
- 2) Long issues should have reduced, etc.
- 3) Used as a system to advance his own views/standing - rather than group function
- 4) No. 14 (Marine Turtle Newsletter) -- no. 1  
He needs a new name  
Dropped IVN/SSC - planned all along
- 5) Univ. Toronto appeal for mailing list -  
(we all helped to compile)  
Litigation - file suit - ethics of matter  
Univ. Toronto facilities - support - supplies
- 6) "Washington" conference - as opposed to "World"
- 7) Clarify Pritchard's role - Pritchard as IVN/SSC newsletter ed. to 1 (?)
- 8) Recall Sitverstein's request for list
- 9) Neutrality
- 10) List put together by many - Success due to many

- a) letter for me - announcement of appointment
- b) copies of responses to me - from appointed members

Triumph runs from [ 11) Publisher owns the Newspaper - not the Editor ]  
"12) "Blatant stuff" - is he writing gossip column?"

Doing what is best for NM, rather than what is best for "wild sea turtles"

13) Date that I wrote letter - early Aug? - make xerox  
Short letter - statement -

My thoughts above - as a "friend" short on  
relieved at long last decision Courtesy would have been

Thank Anne  
for Animal  
Orientation  
Reprint  
Meylan  
contact  
for  
Nicaragua  
stamps

14) Notified us first - Group - advisors - others (W.W.F.?)



Called V. Byrd - Hawaii 1-828-1431

25 FEB  
1980  
Tuesday

TO GO -  
Parish - 19 May]

∴ will need to be there a few days <sup>21 day cruise</sup> past the 6 June - request that we delay for a few days.

Returned call of 2/21/80 (904) 392-1721

25 FEB  
1980

Wayne King →

Adults Kempes → SLP

(SeaWorld and Seaguarium)  
→ Warren Zeiler

Bioglass →

Fred Berry funding dog-rats up to \$2,500 by purchase order

2/25/80 Telephoned Eleanor Shamahan  
Tuesday (202) 857-7278

Comments made about turtle & seal write-up for book (Nat. Geo.).

25 FEB  
1980

25 FEB  
Tues

25 FEB

P&B  
GB  
Andy  
Fred-BB

Need +

Good  
bea



25 FEB  
1980

Kathy Sorenson - Conf. Med.  
→ Tattoo Needle

25 FEB  
Tuesday

AIR National Guard  
MOTE COSTA 737-8839

will be contacted by Maj. Gas Pilgrim  
C7 Carabon aircraft

25 FEB

Captain Bob Justman <sup>Now 5th Gen</sup>  
Hawaiian Sky Tour  
~~1164 Waimanalo~~  
1556 Piikoi Apt 1106  
Honolulu 96822  
Tel 523-1181  
or  
5332757

P&B - 400 lbs  
GB - 180  
Andy - 160  
Food-B&B 100 lbs  
840

1000 lbs w/ possibility of  
no copilot  
\$1750 Round Trip \$250 hour

Need Letter  
+ PINS

Sandy beach

Mr & Mrs  
sent

call from Leighton Taylor concerning  
2 2 1/2" green turtle - Rescued  
gill net at Sandy beach - Rescued from  
barb by neighbors

2381 Kaunana Pl  
Honolulu 96819

she called  
on 2/27/80

[841-2288] 841-2288



26 FEB 1980

TUESDAY

TAG NOS - 3301 RF  
3302 LF

S 57.9 cm x 41.0

C 56.0 cm x 47.9

Plastron - 42.1 cm

HEAD - 8.3

TAIL - 11.5

INSCRIBED

Rewards  
Tel. 395-6409small tissue loss on  
right left flipper  
healedpossible  
old small  
tag?round 2-3 cm  
area below right  
skin

muscle

shoulder joint  
skin missing -  
cause unknownTo be released off aquarium tonight  
~ 8 PM.Large Platyelas skin by rocks present -  
many - also red skin algae  
① Civil Service crew.PINS for ② Terry  
sent ③ Estelle  
④ Athlene Clark  
⑤Turtle appears  
slightly emaciated  
above neck and in  
plastron.27  
We27 Feb  
1980



27 FEB 1980  
Wednesday

Talked to Major Gas Pelligrini  
Air Nat Guard (Plies F4s)

suggest that I write letter to  
Colonel John S.W. Lee, Commander  
154th Composite Group (HAWG)  
HAB 96853

Should call him back 10-12 March  
his address/title:

cc to: (State DOD/PAO)  
3949 Diamond Road, Hono. 96816

This coming Sunday I should call  
Mike Hurley, Public Affairs 449-9374  
to gather support.

also note that  
JERRY McDONALD  
owns Pine Hill -  
BZZZS on  
Mand -  
not reputable

27 Feb  
1980

Call from Ed Shellenberger -  
reports that Anderson was fined  
\$1800.00 but can pay 750.00  
if he doesn't appeal case.

NAME?

Also, fellow that bought Ed's boat claims  
he saw live bombs falling on Kaula.  
He complained about RIMPAC -  
doesn't think it was during these months,  
in other years.



(Monday)

2/28/80

Thursday

He is in Tallahassee  
 Called Wayne King - left message  
 with "receptionist" about enthusiasm  
 for ridleys at SLP

2/28

Called Margaret Stone - Harlequin May  
 about turtle - algae story column  
 737-6640

entered 1/17/81

Need to enter on cards

CI  
CAPTIVE

Smaller of 2-1974 turtles

2/28/80  
Thursday

2496 ; 2052 (expanded this date)  
 Brought in to lab for marking:  
 piercing site is in scale.

S - 45.2 x 36.4

C - 47.5 x 42.0

PL - 37.0

HEAD - 7.4

TAIL - 10.2

Tattooed with black in as follows:

- 1) Right hind groin - 2496
- 2) Right front ventral shoulder - 2052
- 3) Throat ventral - 2496
- 4) Right chin - black mark
- 5) Left groin and underside of plastron - black marks
- 6) Ventral Front flippers - black marks

other  
 need  
 note

short  
 already

padding  
 edited  
 adding  
 mostly

(en  
 -1)

Call just  
 side of  
 for b  
 ① - In zone  
 ② - In zone  
 time  
 gene M  
 tim  
 - weigh



called Anne Meylan (904) 375-8937  
Sunday 3/2/80

41

NOTES

- about SLP give message  
need NOTE TO W. KING
- 1) Did King get message about SLP-Kline's ridleys?
  - 2) Status of seal-Pinniped group? Where are monk seals - ? What about Kenyon for Graye chair?
  - 3) What will Carr do about Mrosowsky?
  - 4) Status of Bjornndal proposal?
  - \* 5) <sup>still uncertain</sup> Date that Carr goes to PNG?
  - \* 6) Meylan field plans?
- short handwritten letter already sent  
pending - she has edited 15 papers differentially - no mailing funding  
end of March - in aid out

Call Justman - slide of plane for bank

JUSTMAN 523-1181

- 1) 1000 vs 1300 lbs discrepancy
- 2) Time at Airport - 6:00 AM - 6:30 takeoff
- 3) Directions to Airport → Pierce Fl. Center → Hawaii Air Academy

- Need list for trip -

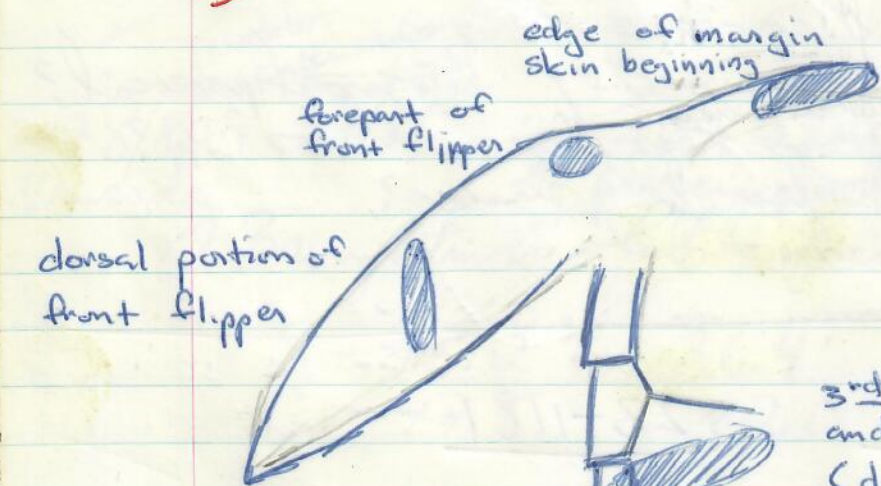
- 1 - hood
- 2 - short sleeve vest
- 3 - strobe
- 4 - flare gun
- 5 - plastic bags
- 6 - calipers
- 7 - tags - pliers - tape
- 8 - Camera gear & film
- 9 - long sleeve shirt - hat - sunglasses
- 10 - tabbies
- 11 - flashlight



3 MARCH 80 Brought larvae of 1974 turtles into lab - ~~tried~~ tattooing with zinc oxide - didn't seem to work - then used Freon<sup>12</sup> can to drip fluid on for 4-8 seconds - carapace & skin.

FREON MARKINGS

TAG # 2495



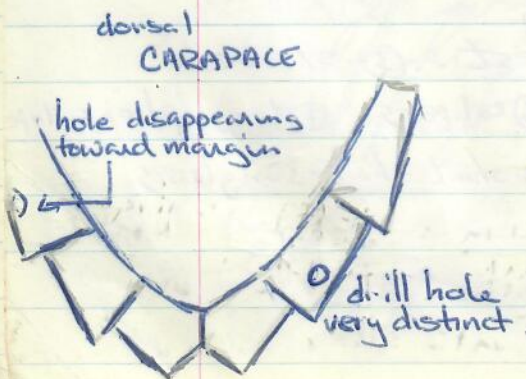
DATA NOT USED

3/3/81

LEFT SIDE  
dorsal view

3<sup>rd</sup> Lateral Left  
and 8<sup>th</sup> L. marginal  
(drip)

(S) 50.2 x 41.2  
(C) 52.5 x 49.2  
PL 41.2  
Head 8.0  
Tail 12.5



L. Hind flipper between  
3<sup>rd</sup> and 4<sup>th</sup> digits

LEFT

RIGHT



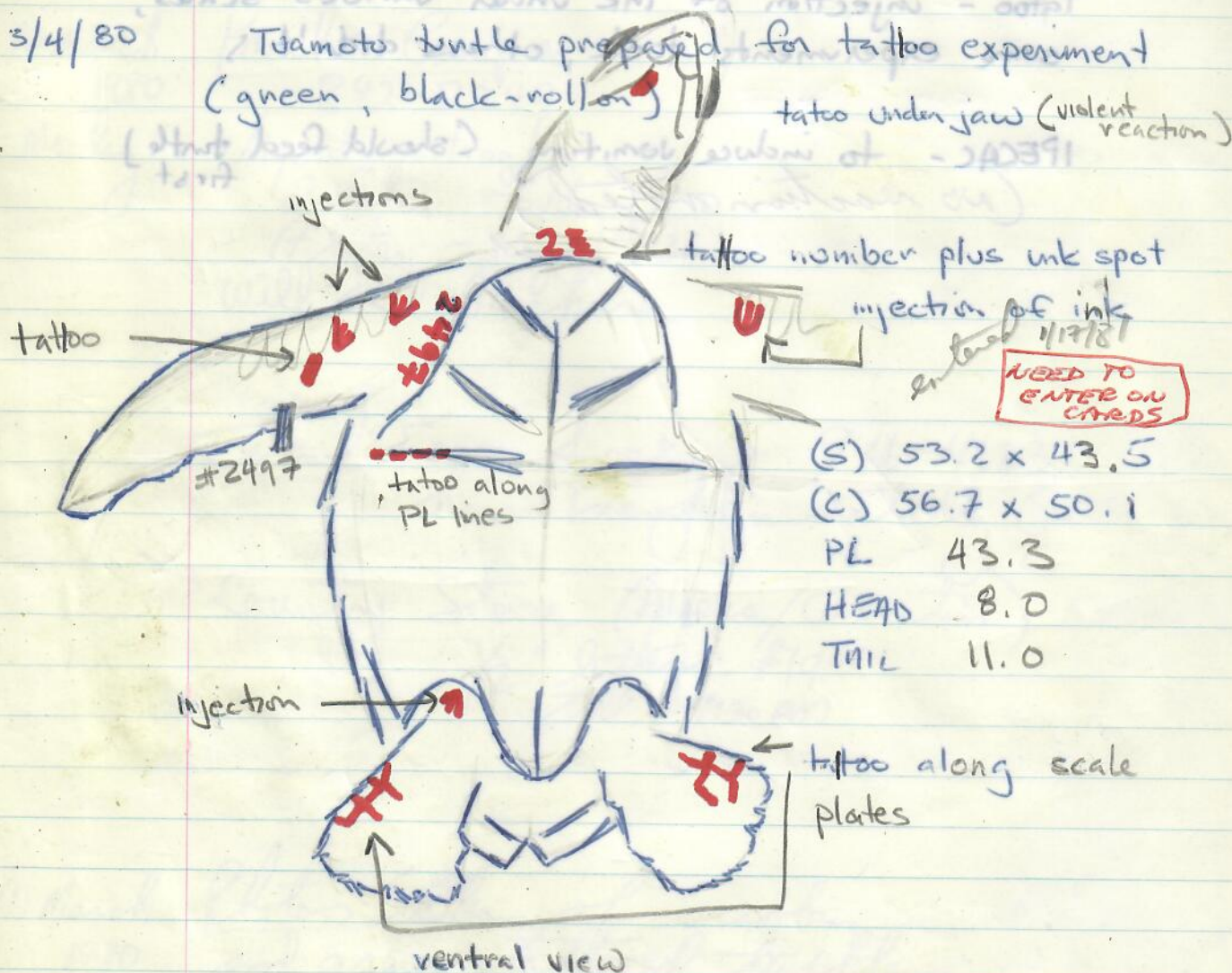
3/3/80  
Monday

Tommy Kazama mentioned that he recently caught turtle off of Mokulua Beach Park with pole and line - but line parted.

3/4/80

Tamato turtle prepared for tattoo experiment (green, black-iron)

tato under jaw (violent reaction)



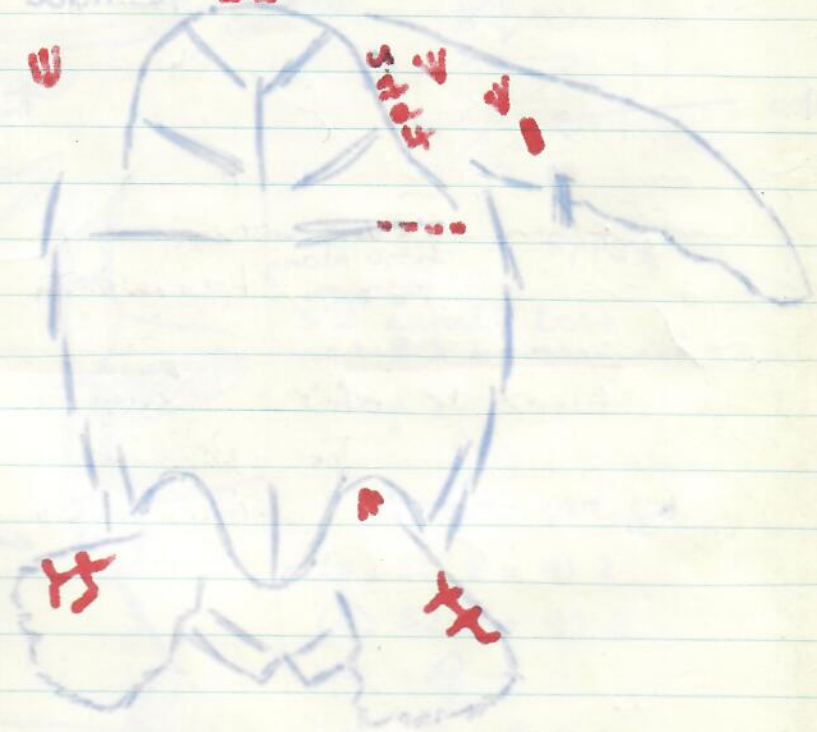
Shoulder tattoo number more readily accepted on Right shoulder skin, numbers very legible. Neck - soft skin, but ink does not set into skin as well.



LFL - tag # 2081 expanded, tag was applied through last digit of the 5<sup>th</sup> Phalanges ~~knob~~ knob of scale growing out from application point.

Tattoo - injection of ink under various scales, some experiments took, others didn't

IPECAC - to induce vomiting (should feed turtle first)  
(no reaction noted)



Wed. - Thurs.

5-6 MARCH 1980

TERN IS. with Dijon, Nitta & Johnsons



Hawaiian Vet - 732-596 — MONDAY MASA 45  
PALUMBO - 948-2770

Call Ed Shallenberger (SLP)

- 1.) Steve Kaiser, call
- 2.) Transmitter attachment
- 3.) Andersen
- 4.) cost of rearing hatchlings

10 March  
1980

Paul - Gasper

842-2249

liquid nitrogen

2 liter - 1 day \$150

17 liter - 9 days \$231

Will send brochure

Island Farm Supply - 946-4683

has → Franklin catalog (tattoo)

→ Country Store (Albers/Carnation) 538-7677

1/2" letters \$19.00  
till 4:30 PM

10 March

1980

MONDAY

Photos taken of scabbing in black  
and green tattooed turtles

Call from Colonel Lee - HANG  
also Col. Pilligrin



11-13 MARCH 1980

- USCG Midway-tune

14 MARCH 1980

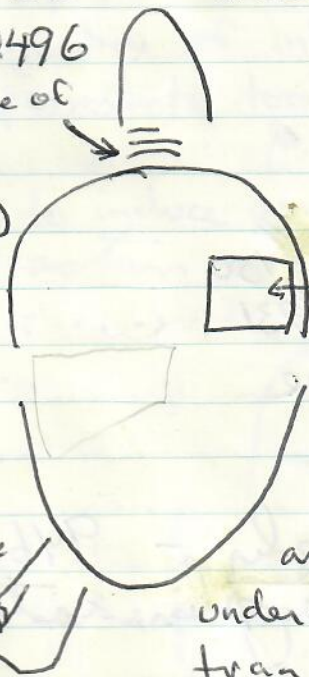
(larger ~~small~~ one of the small pair)

Friday FRODO 22 - freeze branding test

Tag #2496

Left side of  
neck skin

(completely frozen)



Second Rt. Lateral Plate

LHIOD FL  
second pharynx

second scale

This turtle is spending  
an unusual amount of time  
underwater, beneath the oyster  
tray 14 March - Noon  
begin 1 1/2 'til breath then  
4 1/2 min. 'til next breath

(do not know how long turtle was  
under before I came)

14 March  
Friday -Telephone call from  
Kay Ahearn - Kahala Hilton

"Turtles are for the pleasure  
of guests" - will make decision -

15 MARCH  
1980

of  
x 70  
x 70  
x 70  
x 70  
x 70  
x 70  
x 70  
x 70  
x 70  
x 70

~~---~~15 March  
Standa



15 March  
1980

Young confiscated hawksbills being held at the Waikiki Aquarium

measurement and renewal of tags:

old tag	Straight length	new tag
x <del>7004</del>	- 12.8 cm	6001
x 7003	- 12.2	6002
x 7001	- 11.5	6003
x 7007	- 13.9	6004
x 7008	- 16.4	6005
x 7006	- 15.9	6006
x 7010	- 16.1	6007
x 7005	- 12.7	6008
x 7009	- 13.9	6009
x 70011	- 15.3	6010

~~7007~~  
 Assisted by Bruce Carlson & Al S.  
Green Tattoo marks placed at various locations.

~~7007~~  
 Fellow at Frame Shark mentioned TV report of 10' & 14' sharks being caught off Sand Island, Oahu.

15 March - As per Mark, - Parrish & team will Saturday go to Midway next week.



16 March 1980

Sunday

Tag 2983

+ blue on other flap

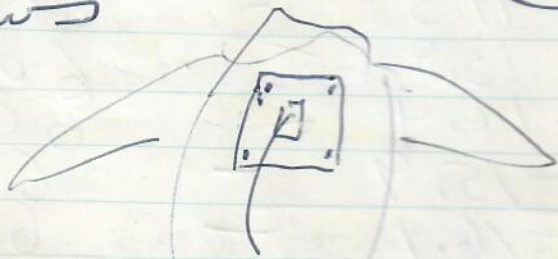
5 screws

at ~ 8:30 AM

green

Arizona home -

261-2462

KAISER  
259-7622

C. V. Dallenberger

12:30 PM call from Ed indicated that plastic was still on but transmitter assembly was off.

Five all off screws pulled out on the night.

Need to roll & paint black  
through-bolt

Biting and attraction to transmitter seemed to be mostly by loggerheads & hawksbills - Transmitter silver and mounting plate green plastic.

Two copulation - mountings noted. Casey Whitlow pointed out that clear-shells, "algal flaps" free turtles may be the "basket".

Dial Meylan Tortuguero study have bite marks on buoys? Turtles or, per Baldwin, sharks?

17 Mar  
1980  
Monday



16 March 80

49

Plastic sheet not flexible enough.

1:45 PM



bent up in center

Turtles not going after plastic

Ed will be gone for 30 days  
to Maui - ABC whale filming

recorded  
Weather Service: 836-0234

17 March  
1980  
Monday

SLP at 7:30 - unscrewed  
plastic plate from 07.  
Noted faint tracks all the  
way up on sand beach -  
Steve stated that this  
frequently happens at night, at  
times. Also stated that  
several turtles were out basking on  
a cloudy overcast ~~day~~ day.  
Naupaka on wall provides good barrier.



18-22 MARCH 1980BIG ISLAND - KIHOCO

Whitlow - home phone - 537-2336

we have a  
 Helfrich - close relation with  
 USP - seabirds? turtles?  
 M. Guinea?  
 TO meet with Raj (President USP) this week

HA 836-7380 - Baggage

→ claim #3

23 MARCH Transmitter trial at Tony  
of Zimmer  
Co. was present  
 Sunday SLP - painted green -  
 12mm screws - large thread  
 - no biting noted, except on antennae.  
 A turtle hauled out to basket

Aluminum  
 poles  
 used  
 call AT (concerning my note)  
 Need - ① Black bag for turtle's head  
 → Liquid Nitrogen - anesthetic  
 422-0531  
 \* 471-9580 > KURE 625

23 March - 630 SLP ♀ 2060 basking -  
 but transmitter on ♂ looks good -  
 antennae bent & some paint off on plastic



23 March 1980  
Sunday

51

V. Byrd

828-1431

(D.A.)

Need - <sup>got</sup> ① Gray Book for Telemetry

② Comments on JK Proposal

- a.) no <sup>dated</sup> response to my letter
- b.) no mention of my work
- c.) no collaboration
- d.) lab testing?
- e.) Run proposal through specialists
- f.) <sup>his</sup> letter to Grandperin

24 March - 26 March 1980

KURE-MIDWAY

(how <sup>easy</sup> access permits!)

Thursday 2PM appointment at Dillingham

need - 1) Duplicates of SB article

2) Slides in tray

3) overview section - old photos, map,

a) Necker idols b) Marae c)

3/27

(Called Al <sup>emison</sup> ~~Jameson~~ about SLP transmitters)



from Fullard-Leo - 235-5610

3/27/80

Thursday

call of  
Vitosek?

John Briden ✓ manager

Mr. Robert Nealson  
Palmyra Plantations

no listing

Mr. Peter Salvio  
AM/FAC Tower ←  
Bishop Street

no listing

Center Properties - 531-0444  
AM/FAC Center

27 March  
1980

Thursday

Visted SLP - 9 AM - transmitter

looks fine, but faint ~~is~~ now  
coming off. one turtle basking and  
one partway out.

1/2k turtle has recently been put into  
pool - report that males attempted  
copulation - they - copulation ensued  
among other turtles - some lasting  
30 minutes according Steve Kaiser.

(Talked to Dizon at home during the  
evening.)

28 MARCH 1980 FRIDAY

Dr. Walt Dudley called (from UH-HILO)

→ 961-9302 -

Will give one hour talk at UH theatre  
16 or 17 April -

should give answer on Monday. call - 10:30 AM



write  
letter  
of  
response

Did Kingman Reef people need permission  
from the Navy? Got my letter from file -  
put in ~~my~~ Kingman Reef folder.

30 MARCH 1980 Eric Schlemmer called me at home - he will return  
SUNDAY from the mainland during mid-May; get ARB for him.

## Hendrickson Proposal

- Need -
- 1) his letter to Grandpersin<sup>Brown</sup> ✓
  - 2) my letter to him ✓
  - 3) my letter to Coggeshall ✓
  - 4) Autograph article ✓
  - 5) Cross check references in Harless & Norlock ✓  
VS JRN Proposal.

Consider -

- 1) Freeze branding ✓
- 2) Laser ✓
- 3) Benedict antibody production ✓
- 4) TATTOOS ✓
- 5) Mutilation ✓
- 6) Magnetic "nose" tag [Leary -  
Murphy publication] ✓

Lengthly sexual maturation for HA - <sup>extended</sup> tag time  
∴ better suited for foster growing area.

Difficulties of collecting hatchlings

1000 not enough

"skin and carapace/plastron autographs"



→ Other important topics for discussion with Shomura:

1. USCG Boston whales transfer to NMFS at Kure
2. Purchase of numerous "supply" items for FFS tracking study
3. My IPA
4. Triparty Agreement - FWS special use permit covered (?)
5. Bone aging letter from Tim Smith
6. Feeding posture studies (immature tagging, etc.)  
- Nam Kam - feeding - here?



Develop <sup>in lab</sup>, then test <sup>in the field</sup>.

Do proposal, but on headstarted juveniles first.

A LAB STUDY - NOT READY FOR FIELD EXPERIMENTATION.

Why not do experiments in conjunction with headstarting ie Galveston, with them  
[UNANSWERED QUESTIONS see p 12-13]

25g 18x = 1kg  
18 x 100 = 1800x body weight

- TWO ASPECTS TO DISCUSS -

- 1. BIOLOGICAL - or Applied Biology:
  - Need to (a) develop technique first
  - (b) test under <sup>controlled</sup> laboratory conditions for at least one year (or longer) "several years" as page one
  - (c) then test under field conditions
  - (d) Possibly combine on-going headstarting experimentation w/ develop and <sup>lab</sup> testing

not READY for field experimentation

- THEREFORE, Question becomes - where is the best place to (a) develop technique (b) test in lab



[Worthwhile experiment, but for the time being has nothing to do with Hawaii - except that his daughter lives here]

POSSIBLE ANSWERS -

Where such rearing projects are already underway [~~HEADSTARTING~~ <sup>FARM</sup> AND OR HEADSTARTING] (rearing)

- (a) Ross Witham's Florida project with both ~~egg~~ greens and loggerheads
- (b) Galveston headstarting/Rancho Nuevo Hatchery
- (c) Cayman Turtle Farms

When technique is successfully developed and deemed applicable for use on wild hatchlings, then field test -  
(threatened & endangered species)

Where is the best place to field test -  
answer -

where large numbers of hatchlings are readily available for use -

- EXISTING (a) Hatchery projects - numerous
- loggerhead - eastern US (Richardson)
  - Malaysia - Terngum leatherbacks;
  - Escobilla - Mexico; <sup>SUAREZ</sup> Rancho Nuevo;
  - W. SAMOA;

or, less desirable - a

- (b) Strictly wild rookery - like FFS - difficulties collecting hatchlings - mark nests (as laid) - later fence and collect - but subsequent nesters knock down - and you would have to check every day and night. This



would "hold" hatchlings for a period of time (contrary to Hirth, 1971 recobg status) Nearly be necessary to turn the setting into a hatchery.

Additional "Biological" comments -

- a) will depigmented/pigmented area actually "grow" with the turtle, or obscure?  
(in same proportions)  
 Rafinski (1977) reference (p.5) was for adult - non growing salamanders. Therefore, lots of "growth" in lab needed to test. 1800x
- b) "mark 1000 per week" (p.5) - not enough - Consider Hirth 1974 1 in 100 to 1 in 1000 survive
- c) p.8 "no predictable way disadvantage..." Surgery or chemical inject can
- ? → d) p.9 "responsible ~~at~~ authorities favor a pilot program of field marking (?)
- e) We don't have the 2500-5000 adult females posulated by JRH instead 100-250 annually, ∴ shouldn't take undue chances with the hatchlings we have.
- f) p.15 - only low level at ~~the~~ Tern Is.



g) "work should begin this year" (p. 7) - YES  
 develop technique and lab test - but  
not field test.

PARTICULARLY  
 FREEZE  
 BRANDING

h) dismisses freeze branding, <sup>laser-mutilation</sup> magnetic tag and  
 tattooing too easily - deserved proper  
 investigation.

2. NON-BIOLOGICAL considerations  
 disturbs and DISAPPOINTS me that he has

a) Made no effort to interact with  
 me, <sup>(for Hansen comments)</sup> as principal researcher of Hawaiian  
 sea turtles for past 8 years. NO  
 response to my letter of 25 Feb.  
 Also disturbed & disappointed that  
 there is no reference to my work in  
 his proposal where, by all rights,  
 reference should have been made.

- i.e. p. 3 "almost no 'hard' growth data"
- p. 4 shedding of tags - increased
- p. 9 "self-contained GT population"  
 favor a pilot program"

Note Aug 1979 letter to SPC  
 concerning workshop.

last of all -  
 advisability of NMFS, <sup>or any US agency,</sup> funding work at foreign based  
 Cayman Turtle Farm - <sup>direct</sup> Fair suits, etc.

9  
 Proposal  
 need  
 need  
 30 March  
 Sunday  
 31 May  
 Monday  
 1.  
 2.  
 3.  
 4.



9:15 AM - Meeting w/ Gil Martin concerning Herdickson 59  
proposal; also met for awhile w/ Gene Nitta.

- Jacki Kilbride - "Deep Dimensions"  
diving company of Honolulu

Need → Gil Martin <sup>provided</sup> requested literature on turtles  
to take to Lisianski

Need → Picture of me for Walt Dudley <sup>called</sup>  
16 April 1980 7 PM

30 MARCH SUNDAY, Scabs are off of smallest green turtle -  
black tattoo ink is faded, but  
still present.

31 MARCH Monday Same conditions noted for green  
tattoo marks on Tuabotu turtle.

Possible charges - purchases to RCVH 2068

1. 11-13 <sup>5-6 JPS</sup> ~~and~~ 24-26 March  
Kure-Midway per diem (to include food & mileage)  
category - Travel per diem for Kam (charges to R from Barber's Pt)
2. Tattoo Forceps \$20.00  
category - supplies
3. Duplicate xerox / Vello Binding 180 x 5 = x.04<sup>¢</sup>  
category - other
- 4.

Borrowed from  
NICK POLUMBO:  
BRAND OF Electric TATTOO NEEDLE:

Louis Marx & Co. Inc.  
Girard, PA  
- Cat. NO. 339



1 April 1980

Laura Munn  
Seattle Aquarium  
 Pier 59  
 Seattle, WA 98101

(sent stamp  
 proposal letter)

concerning confederal hawkbill -  
 do we want it?

Craig McDonald 254-1936 - talked about his people  
 going to FFS on July 15  
 to trap lobsters -  
 sheet and bail out have  
Chomwel scheduled to be through  
 FFS on July 30 (again Aug 30)  
 14 marks

1 April 1980

Examined turtle 2495 that had  
~~received~~ received "Freon 22" treatment -  
 skin-scales flaked off easily in  
 these areas - many of the areas are  
 white - depigmented. Will it last?  
 Tattoo forceps used to place 2495  
 black on one side, green on the other -  
 ventral surface of front flippers close to  
 the body.

This turtle spend a lot of time  
 under tray - on bottom - did this even  
 prior to Freon treatment.