

G. H. BALAZS

BALAZS

2 OF 2

DEC 88 — SEPT 83

2095112

\$300



need

\* Go to SLP again  
to photo small tags on  
2-year olds, & measure others  
(Small Calipers needed)

Call from Mr. Mallek.  
Sea turtle stamp "scrapped"  
at last meeting - Mallek  
not there. Next meeting 6 May -  
D.C. people should write to  
Post Master General.

(INFO MEMO sent to DO's office)

4-20-83

Maragos & Nitta came  
by to talk about  
Johnston Is. turtle  
project.

- Catch & Tag as many as possible (methods)
- Tissue samples / GI tract
- Biopsy

4-2  
SAT



RADIO CALL WITH WGG  
4-21-83

1144 Fort St. Malt 59  
State Optical (Ritz)

"Valerie" 531-2761

Bill -  
- "permit was signed Wednesday" <sup>Gene</sup> Nitta

ER - 942-8484  
Skip - 735-5557-6 (Coran & couples)

~~MAKA~~ "OMAR" 1336 Dillingham

Mr. Hodges - 682-2623 BP USCG

Also - newspapers, MAICA packages

FINE

① Establish

② 2 <sup>for information</sup> pups ~~1~~ wean; ① nursing ♀

Wednesday calls

USCG  
What section of Island?

4-23  
SAT.

OOD

Chief Graham  
Barbers Point



4-25-83 Call from Ken Dodd regarding  
Monday Botswana CITES meeting.

4-26  
TUES

Called OHA office - 548-8960  
to  
note you need to be  
"of Hawaiian ancestry" -  
ancestry before 1778 -  
Sign on affidavit.

65,950 registered?  
42,390 66.9% voted

Native Hawaiian Dev. Office 548-8785  
"Somewhere between 50-75, 80" ??

Lt. Gov - voters office 548-2517 Registrar  
check ATLAS of HAWAII

Hazel - 1979, from Hamilton Library  
19% part-Hawaiian

25.7% Caucasian

24.8 Japanese

10.9 Philippino

9.3 Non-Hawaiian mixed

89.7

NIIHAU - 225 Hawaiians

Hawaiian Studies Program - DR. PIANIA DIRECTOR  
948-6825

"ASK for application - AT

Hawaiian Homos

"cellia"

335 MERCHANT ST. Room 329  
(OLD POST OFFICE)



from UH 948-6715

Money \$300

4-28-83 Called Emily Roet  
Thursday (202) 737-3600

Called Dr. Carr's office (904) 392-1250  
(Grace-secretary) - Carr off Keylan not in.

WEBSTERS NEW COLLEGIATE

Subsistence - a (1) real being; existence (2) The condition of remaining in existence 2: (a) the minimum (as of food and shelter) necessary to support life (b) a source or means of obtaining the necessities of life.

Sustenance

1 a: means of support, maintenance, or subsistence:  
living b: food, provisions; also nouns that  
2 a: the act of sustaining (noun)

VOTER REGISTRATION -

Synopsis - sent 4/28/83  
Micronesia - McCoy

Daytime DIVES - mostly  
PHOTOS TAKEN UNDERWATER

Seen on  
Kawai at  
least  
6 years

Jim Watt called 742-9472  
Concerning - TAG 3628 - from Kawai

Saw "5 others" with tags  
sees lots of turtles. Know they  
are taken at Anahola; Saw one Powerheaded  
at Sheraton Cave.

"Costs of take as is"

if OPENED, they will be endangered



Called KURE  
 4-28-83 471-9580 Bobby via Midway  
 ext. - 625

Rod - 2 boxes 10-15 lb backup  
 AMO (LARGE) ONE  
 2 - BIAZO ↑ "FLAMABLE"  
 2 BOXES MATCHES  
 TENT (OLD SEARS) - check out  
 Bulletin BOARD

4-28 call from ex-C.O. out at Marcus.

Berry FTS office  
 350-4128  
 Berry FTS SEFS Miami 350-1487 WANCY  
 Fred's Home! → (305) 667-4036  
 Office comm. Fred (305) 361-4276

FRED'S  
 ASSISTANT - Rodrick MAST



LIST OF MATERIALS  
FOR PUBLIC HEARING

NEED A  
Good  
TAPE  
Recorder

1. Selected pages from Atlas of Hawaii
  2. Agoard items (ARB + USCG letter)
  3. Cooper testimony
  4. HFN article
  5. Copies of my Subsistence write-up
  6. How do they cook turtles?
  7. How catch? Capable of catching?
  - ~~8. Cooper~~ Gray data book
- P.O. - 364-144

5-3-83 HAWAIIAN AIR - 537-5100

[ 10 May - Tuesday Depart 3:15<sup>FL</sup>pm 452  
5:15

Hilo  
→ HOLIDAY Rental #13.  
car

#20 drop charge!

[ 13 May Thursday Depart 11:38<sup>FL</sup> 25

H.A. KONA → Maui

STANDBY  
10:10 AM (#29.95)  
11:10 am (39.95)  
#45 per item

call for signing P.O.

JANE BALL - 948-7031-2



5-683 Telephoned Emily Roet from UH  
CEE

(202) 737-3600

also 5/10  
at home concerning  
transshipment &  
#150

Jim Watt - 742-9472

P.O. Box 58

LAWAI, HI - 96765

TOM STEVENS

Maui News - 521-4653 (direct line)

P.O. Box 550

Wailuku, Maui 96793

Emmett Aluli

P.O. Box H

Kaunakakai, HI 96748

Mcomber

P.O. Box 104

Lawai City 96763

Kehaulani Naho

Administrative Assistant

NATURE CONSERVANCY

1026 NUUANU AVE

Suite #20

Honolulu - 96817



10-13 MAY 1983  
Public Meetings - HILO, HONA,  
MAUI

65

Stephen  
Lis WEINSTEIN  
1650 Kanunu St, #814  
Hon. Hi 96814

NEED: All  
Correspondence  
Submitted on  
1) 5-year review  
2) Subsistence  
review

Memo  
sent  
to JWG  
early  
7/83

A Jays Stevens called <sup>home</sup> at home -  
concerning my NW article &  
seal-turtle photo.

Glen Day - (Pan Am)  
4375 AUKAI Street  
Honolulu - 96816

5-16-83 (co-warden is Albert Morita)  
Telephoned Peter Connally  
on the Big Is. - 961-3278  
243 ULULANI  
Honolulu - 96720  
Home on  
CANAI 565-6242

Ron McOMBER - home - 565-6071  
CANAI Address: Box 104 - 96763  
work - 565-6854



66 MOLOKAI 5-17-83 - 5-18-83

PUBLIC MEETING

KAUI ~~HONO MEETING 5-18~~

- NEED:
- DIVE GEAR
  - Jim WATT'S slides
  - Camera
  - TAGS - Pliers \*
  - Call person on KAUAI who saw amputated turtle

JOE CURRAN PHOTOS

write on photos w/ blue pencil

- bw photo - ① just Marks in sand -  
 Made at reprography "DIVE 283 16:59  
 180 m L "
- ② turtle - "DIVE 283 15:55  
 eating 120 m R "

948-6745

send packet

~~Steve Montgomery Gilmore Hall  
 P.O. Box 2920 office 304  
 Honolulu, HI - 96802~~

B. Benson - 922-6611 ; home - 944-2874

Call Linda Baraclaugh =

19-20 MAY 83

LIHUE, KAUAI Public Meeting

+ DOVE STERATON - POIPU CAVES



Show Jerry Wetherall +

67  
check RSS speech  
for Symposium

18 MAY 83 message from Sue L. at Tern

FO DATE - EA51 - 4 NESTING PITS

W/S - 2 " "

TRIG - 1

5-20  
SATURDAY

see  
next  
page

(Ch. 9 news 946-6100)  
Ed MERL of Kihai, Maui  
found a <sup>Ridley</sup> "Hawksbill" tangled

in a "cargo" net.  
Severe cut on right flipper -  
been at SLP for 2 days?  
S.L.P. - 259-7933

Radio reports -

[TAG recoveries from A. kam - ?]  
others ?



2 turtles, 8.3 cm each, sent to  
Sattle, via Waikiki Aquarium  
 on 9-21-82; B/K ventral flippers &  
 plaster.

5-23  
 MONDAY

Arrived on United Airlines this date -  
 Picked up by Miriam and taken to  
 the Waikiki Aquarium for quarantine

Telephone call from:

concerning  
 5-23-83

"Turtle Bay"

Near KUALA

works for Hyatt  
 KUILIMA

Marwa

Mary

1511

Punahoa

#408

Honolulu

96822

(Packet sent)

949-4141



wife -- Royal Hawaiian  
works for

P.O. Box 496  
Wailuku - 96793

5-23

Ed Merl

1-879-5192

Kihei, MAUI

Turtle sent to SLP 5/21/83  
Saturday

[Sent turtle to SLP in 1967 - <sup>Hawksbill</sup> 2 1/2"]

1-mile from Hana stiff - green  
5 foot square  
caught at 1 pm.  
5/19/83

2 1/2" seaweed on back & belly.

Should have  
included in  
Polihua  
report

Caught on Molokai - Greens  
Tary on belly - that's how they  
know "they" came from Carbi Beach  
10-12 "houses"  
guff - hook in skin on the  
neck - kept alive.  
Sold to Pineapple Hill - Shepton.

Need  
photos

SLP saw 4 greens - on display sand bottom  
some gray bellies - bluesides -

5-23

SLP - Digging tracks in sand.  
4 bushers (1 is juvenile)

OLIVE RIDLEY

C 24 1/2 x 26 1/2  
R Flipper (6 1/2 cm) line cut, but scabbled

1, 2 and 3 cent  
spines

Photos  
print film

6 Centrials left - 5 right 12-12  
marginals



~~Pitt~~ @ N.A. (Kauai memo) ~~Eldredge~~ - Puleloa  
~~Dorothy~~ - bank transfer ~~Birkland~~ - Compress  
~~Sheila~~ - Necker photos ~~Shellenberg~~ - Craig McDev  
 B.G. 70 (A.C. + Hawaii) ~~- Greenpeace~~

26 MAY

~~Gail Peterson~~ ~~toff~~  
 that she met Alan Chang  
 yesterday - I spoke to his  
 club about turtles (?)  
 He used to catch turtles  
 and sell to Haimuki Inn  
 for .75¢ pound.

NWHI  
 Symposium  
 1960  
 By sketch

He knows of people going  
 to Molokai, and are getting  
 bitten on the arm while  
 untying a turtle from a net.

Ralston:

If fishing is too heavy at an early  
 stage, not enough will be there to  
 nature. If fishing delay, won't be taking advantage  
 of heavy natural mortality early.

Characterize growth & mortality,  
 "Surplus production"

Dave C. (Sheila's husband)  
worked with Cooper 20 years  
ago in a Peace Corps project  
at Waipo Valley.

Nishimoto - confirm? Ac  
 ENOYE, HEFTE - AKAMA (A/11/13)



26 May 83 Rob reported that  
 on 5/25 the Nightingale ran into the  
 reef at Midway -- spilling  
 fuel oil -- being sucked  
 in lagoon.

TOM HIDA

Supply sighting forms  
 12 abakob boats already left  
 for fishing grounds.

Empire Samoua

79 Taiwan mid-Aug  
 200 jig 1984  
 200 nets

14 miles net each  
 Feb 83 squid boat apprehended

57  
 12 swordfish  
 870 abakore  
 299 skipjack  
 331 Malinahi

152 amberjack

6t

32 sharks

23 tuna



72

NWHI  
Symposium

GAIL ISIMOTO

Greenpeace

Strip - Boats to FFS

KRAMER -

Shallenberges -

5-26-83

Lunch

Walt-Coi-Sherwood : Wendy Dehl

Compressor at HAMB (Tuesday)  
Dwing reg problems

Dale Hower

3215 Catton Court

Fort Washington, Maryland

(301) 248-4067

-20744

(202) 426-0884 FTS

Shallenberges

Green lettering on black slide.  
+ large block letters

"Regional Resource Plan"



5-27-83

FRIDAY

NWHL

Symposium

73

Dale Coggeshall:

HISTORICAL PERSPECTIVE -  
Cumulative - additive

STRF - L.A.J. - TO Governor/S.O. (Pres

W.YEE: 'R55 - ~~Ship~~ Skip  
Seals -  
Squid? octopi?

Shomura: Won't debate whether  
"Turtles - Seals have declined,"  
"A fishing base at Midway couldn't  
make the situation any more  
worse than it already  
is"

Skip -  
"Vitaly need infrastructure at  
Midway"  
Midway - Major stepping stone.  
Lobster - "I was wrong"

Nets - foreign fishermen -  
lobby against: do jigging instead.

MAE flights - 2 flights a week  
come back empty.  
- coffee  
Break -



5-27-83

sent CRAIG = L.K.A.  
Barbaki

Crawen

sent\*

Sighting forms for Bob Newell  
(HFN)

The validity of my scientific & historical  
I ~~put myself at~~ <sup>strive</sup> for complete research  
- both biological & historical.

Called about concern for renewal of turtle  
hunting

C.R. CLINE

47-339

LULANI ST.

KANEOTE,

HI 96744

\* sent  
infoon turtles  
Allen Chang128 MAKANI

St.

Sharks

WAIHANA,

96786

622-4666



5-31-83  
Tues.

Emily Roet called me at home.

5-31-83

Mike Bean  
"Project to evaluate effectiveness  
of Recovery Plans"  
(202) 387-3500  
(need sheet)  
subsequently sent to him.

5-31

Transferred Scuba compressor  
to Randy Harris MOP  
for Molokai ACE  
survey.

GAIL Ishimoto

245-6191

Box 1870

Sea Grant

CHAS 96766

A. Meylan -(904) 375-8937

2-22 June 1983

FFS

Alan Tomita 988-6180

(MOP) 948-6000 called 6/24

Stan Jaywinski / Therese Hayes tel. 689-5589  
777 Kapiolani Blvd. #3313 Hono 96813



SLP

6-1-83

LEFT  
6496  
+  
..24

RIGHT  
56.1 x 44.5 - tiny tag .55 -

Turtle Lagoon - Basket  
(NOTE - couldn't catch litter mate - NO tiny tag noted)

Display TANK IN REEF TANK ANNEX

- 1. S 13.4 x 11.2      1st centred OK <sup>white</sup> spot
- 2. 14.5 x 11.7
- 3. 12.3 x 10.3
- 4. 12.3 x 10.2

ALL  
Hatched  
in lagoon  
2-10-83

Some letter notes  
sent to Kewalo  
for graft test,  
but all  
died.

Olive Ridley out back

S 22.3 x 21.0  
Photos



"Recent records of ..."

Waikiki Aquarium

Recently washed ashore

6-25 SAT.

Olive Ridley - at Hailu Beach

S-44.3

6-23<sup>7</sup>left - 5<sup>eight</sup> lateralApo block  
of KAHALA  
AVE."in the surf"  
Had 2  
CRABS  
(By hole?)(Transferred from SLP) yesterday  
Right front flipper completely missing - healed.

Severely emaciated, but active. Force feeding now. Vitamins. Hole in plastron immediately between hind flippers. DEAD OR DIS JULY 1983

6-25 SAT.

2 Greens returned from Seattle:

Tagged TODAY

9/21/82

8.3

S-21.7 x 18.4

3686 R Flipper - 2-3rd scale

13.4 cm in 9 mo

= 1.49 cm/mo

White graft between 1-2<sup>nd</sup> lateral left. Nothing ventral

14.3

in 9 mo =

1.58 cm/mo

8.3 9/21/82  
S 22.6 x 19.13687 R  
2-3rd scale

Has several fresh cuts on the chin - presumably from shark bite.

EXISTING

6-25 Olive ridley - from Molokai

S-29.0 x 27.2

Transferred yesterday to shark display tank.

6-25

Hana, Maui olive ridley transferred to Aquarium from SLP yesterday. Now in small display case.



6-25-83 Mailed to:  
John Fleteneyer  
 Ocean Sciences Center  
 Nova University  
 Dania, FL -33004

10 "bad" tags - all flattened straight  
 nos.

2702, 3507, 3513, 5539,

5752, 5795, 5796, 5803, 5806,

5953

7/6 - two <sup>bent</sup> MORE TAGS SENT: nos. 5993, 6127

- "Gene"  
 +

26 JUN 83  
 Sunday

- Trudy Bay -

~~WISSM~~ GOLD COAST DIVERS

329-1328

755669-D

ALVIDR. 96740

"18" green found in "drift line"

weak - no apparent injuries -

Taken to pond at Keakole Pt. ORC  
 David b. 329-7341

"kathy" - Then talked to:  
 Steve katasae

Dead as of yesterday morning

Called Gold Coast Divers

talked to "Gene" (he was out  
 with Trudy when turtle was found)



6-27  
Monday

FWS

Peter Stein (sent him a copy of PSS letter to MMDCO, Frank Perron, - as requested)

Nani Camareno  
Greenpeace  
Box 957  
Cahaina, HI - 96761

Wrote to Gene Witham that on June 11 off Olowalu she saw a mixed group of turtles in "junk" ridden drift line. They fed them with bread and lettuce. Some as small as 8"-10", up to 100lbs.

6-27-83  
Monday

recently

Gordon Piiaria telephoned Steve Kaises asking about turtles being kept in ponds.

When Steve was growing up, there was a caretaker of Kuapa Pond - he never put turtles in there.  
However, at Hawaii Kai, just east



bridge, on the right, a Captain Rosa  
lived there -- place had a pier.  
He used to catch <sup>and sell</sup> turtles with  
nets from a boat -- had a  
holding pen on the reef flat.  
He had korihiki rights.

His sons are apparently Marshall  
and Henry Rosa

(Groupers that had turtle in stomach)  
Henry (?) Rosa is also apparently  
the person that sold Anderson's  
restaurant the 2 turtles.

BACKNOTE:

KEWACO

5612

37.8 x 30.5

← Turtle photoed  
periodically since  
hatchling

5726

35.1 x 29.9

5713

37.5 x 30.5

5676

26.2 x 23.3

+  
Wakiki "Aquarium" turtle

All with faint or no grafts

Released late 9/82 or  
early 10/83



1941 CHERCH LANE  
#610  
HONOLULU 96826

28 JUNE 83

TUES. Dan Jordan - Saw  
sea turtle stranding bothies -  
"last night, he found a  
~ 30" turtle carcass  
near rock jetty separating  
State Park from Bellows.  
Shell missing.

6/27 Radio message -  
from/for LAYSAN (Alcorn & Elizabeth)

3 turtle Resightings

5917 - ①

5906 - ②

5886 > ③

5887

1 new tag applied  
Very few baskers;  
No nesting, however  
last night, there were "2" trials  
up 25 ft."



30 JUNE 83 - MEETING AND TURTLE  
SURVEY BRIEFING WITH MOP STUDENTS  
CONCERNING ACE FUNDED 12-day dive  
MAPPING SURVEY AROUND MOLOKAI

Ahuna Kai vessel - likely charter  
- forms > TO MOP Allison CHUN  
- poster DAVID GULKO  
RANDY HARR

Bill POLELOA 567-6696

Dave Clements UH-Hilo COORDINATOR

Sometime during this week - or 6/25 - Life Guard  
at Barker's Pt saw a weak turtle beached. chased  
by shark?

6-30-83

follow-up  
needed!

STAN MEDDERS  
608 CARMEL AVE  
PACIFICA, CA - 94044

requested  
for some look  
out of book  
he was to  
publish

Mailed 2 dup slides - 1 G.T. 1 hawk.

7-1-83 " vessel  
" Alaska Ohava " saw 3 monk  
seals SE Niihau, (1 young  
with cookie-cutter bite on neck) at  
(off) Kaula (transmitted to GAIL)

7-1-83 Report from Naughton that a State biologist  
saw many turtles feeding in a drift line off  
Halewa



7-5-83  
FRIDAY

sent posters +  
Walt Simmons - 949-8316  
Physics & Astronomy  
Waterabe Hall

- Dive club - Been getting  
Questions on if it is now legal  
to take turtles.

7-5-83

Met with Joann Flanders  
North Cove

7-5-83

Cindy Winters (Chelonia mydas)

P.O. Box 1001

Aiea, HI. 96701

Thank you for your time Mr. Balony.  
(Sea Life Park)

- Castle rocky fishing - sees turtles
- Talked to old lady - historical decline
- provided her with articles + sighting forms

7-5

"Visited by Grant R. Bartlett  
Laboratory for Comparative  
Biochemistry"

4620 Santa Fe Street

San Diego, 92109  
(714) 274-5401

sent  
Reprints



~~Agency ID 3~~

Fac. Dept Bldg 242  
KCAAS  
Kauai Bay HI 96863

8-2-83 SIGNS MORE OF TRACKS

7-5-83  
TUESDAY

Scott Henderson - 254-3704  
Reports turtle tracks on to  
small sand beaches just down  
from his lab NO SC.

Directions:

THB from HIMB, through gate,  
straight to end, to G, then  
Laurence Rd. Bancroft Drive,  
left on Bancroft to POND Rd - 100' or so  
a right turn down semi-improved  
road.

7-6-83  
Wed

I visited NO SC site, at ~ 10:30am  
Several photos taken - R 4 of FF3?  
Track ~ 2 1/2' wide only.  
2 up-down sites ~ 50 yards  
from each other. Both adjacent  
to "cut" in beach rock reef.  
Site closest to "North Beach" had  
a long furrow dig - doesn't look  
like a "normal" covering, but  
nevertheless is fairly extensive.  
Under a tree + right next to  
a well-walked "trail": Olive  
and blackish sand - but  
near waters edge - beachrock there  
are pockets of white sand.



DIANE DRIGOT -

TEL. 257-2171

7-6  
Wed.

Noted dog prints around nest site; Also, Scott reports Mongoose are abundant. However, hatchlings should have a fairly straight unobstructed downhill run to the sea.

In an adjacent area under the tree, there were 2 areas that may have been dug shallow (in past days/weeks(?)). I dug down with my hand at this site and found that 4-6" inches under the surface of olivine sand it was hard-packed soil-clay. Scott will rake over tracks and smooth out slightly the mound.

7-6  
Wed.

While at NOSC, J. Naughton called to refer standing report -

LEON SALTER - TEL. 239-948947 211 Kam Hwy, KANEHOE 96744

Green 87.5 gm CL - decomposing  
and bloated - head & tail.

2 photos taken.

Just across from Hawaiian electric station - short distance past Keia Pier. Water's edge. 1 large barn. No obvious signs of death.

LEON MAY  
attempt to salvage shell  
Call referred by D.A.R.  
Send stomach contents



7-6-83

Wed. 7:45  
8:30

TELEPHONED WEST TRAVEL

Reserve -

MIAMI AIRPORT INN

15th

87

25

16+

WAIT LIST CA6  
1:15pm

Ticket  
at airport INN

Return flight 27th  
LR620 7am

Need to  
charge CONUS ticket

\$275

~~Royal Dutch~~  
TCA

EUROPA on  
PLAZA

VISA

Hotels

7-6  
9am  
Wed

Rob <sup>Morrow</sup> at P&H

Reports that before there were 17/18 basking  
per day on SE, then almost  
nothing 'day & night' - then 20-25 at  
night. But at North Is. the numbers are  
still way down - only see 4-5 there.  
No, or few, recoveries of previously tagged  
juveniles. No nesting seen yet.

Difficult to read tags/mark turtles all  
bunched up at night, because it disturbs  
them and they go back into the water.

Transfer to FFS Book

SUE - at FFS

radio calls

Since we left, they have sent 3 nights on  
East - JUNE 29th, 30th, JULY 1st

turtles - 4 up 3 1

eggs laid - 2 1

not full night's coverage

All 8 of these were numbers painted by me.

Basking counts have run 10, 8, 5 (all ♀s)

W-S night of JUNE 25th - 2 up

26th? TAG Recovery - W-S 07960 (size 49) vP



7-7-83 - Called West Travel again  
 Thursday - Called Puleloa 567-6696  
 - Called Pete Hendricks 329-7341

NORMAN AHI - employee of Mauna Lani -  
 is a caretaker of ponds.

7-7

Jay Marlow 684-8281  
 Supervisor of life guards  
 at Barber's Point  
 RECREATIONAL SERVICES  
 Building 55  
 Naval Air Station  
 Barber's Point, HI - 96862

Life Guard - Vernon saw  
 the shark chase a large  
 turtle out of the water.  
~~He will~~ He will call me.

From Pete Hendricks

Send literature % Steve Katsse  
 Natural Energy Laboratory  
 Box 1749  
 Kailua - Kona, HI 96740

Will bring turtle - Steve Bess  
 UA report  
 Aloha FL 85 - arrive 12:38pm



7 July 83

Thursday Meeting

JOHNSTON Atoll

MEETING

J. Polovina  
S. RAISTON  
R. GOODING

~~FREEZE~~ OR  
Alcohol  
Acetone 89

(500g - 1.0 kg  
LIVERS)

INTERESTED  
IN TESTING TURTLE  
MEAT

- Steve Kovac - Paul's grad. student

- Fast week of October - spend 4 days

- TUES - AIR MIC. ←

Thurs - MAC ←

- CONTACTS - LUDWIG, MARAGOS (Logistics) All nights  
Reserve Lodging / flight except  
Shark  
set night

- Spare motor - need to get one myself -

- walkie-talkie

- Maragos mentioned "Water quality report" - Turtles all along

- South shore - by binoculars;  
- Revisit by contract awarders  
sometimes after July 15th.

+ MP  
Flights -  
Times

Oct. 24th depart

Arrive 27th

Cromwell

work - 28th, 29th, 30th, 31st  
FRIDAY, SAT., SUN., MON.

TUES - 1st NOV. AIR MIC

Wed. - 2nd NOV.

Thurs 3rd NOV MAC

Need - CASIT ADVANCE

- Draft EIS



90

7-8-83

7276 - 7350, (75 TAGS)  
TAGS SENT TO BILL  
PULCELONA, - MOCOKRAI

7-8-83  
Friday

unit = cm  
Total length 46.8  
notch length 46.5

Precentral even with 1<sup>st</sup> ~~eye~~  
marginal left & right.

hona  
MOETZAU

width 35.1

- intestines packed with food  
alga found in stomach  
stomach partly filled  
~~small~~ scrap of Sargassum (?)  
hypnea in lower intestine  
it has some skin barnacles  
Stomach < 1/2 full.

sent  
to Ackman  
7-11-83  
Request  
for checklist  
info.

Fat blubber sample collected from  
pelvic region.  
Dorsal & ventral photos taken.

7-8-83 Call from Wayne King

UH  
volcanologist

Dr. John Sington 948-7751  
HIG

Cee Goff - 948-6741

slides



7-11-83 Received green turtle shell 91  
found by Parks in bulldozed stack  
at Malekahara by DAR

7-11-83 Call from Cynn Davis  
Monday Bishop Museum Library - 847-3511  
Surf at Black Point EXT. 182

Found a large turtle buried.  
Meet her at triangular parking  
lot - pay phones - block Mercury.  
Need  
Camera  
Shovel  
Tape measure  
Nothing found

7-11-83 Called Fred Ball 244-4352  
- returning his call concerning  
Hancock "recollection" photos none found.

Loaned "Saipan" type to Nitta

CIN DAVIS met Roy Stoddard and I to Kaikoo Place  
- washed bones only

KAIKOO Right of way - Black Pt.  
Doris Duke's House

Kalunyanu Place - dead ends into sand  
beach.

Kalunyanu St. is right off Diamond  
Head biologist.

Noted rock jetty.

~~2 for Mike~~

Visited Waikiki Aquarium  
Bruce reports that Rileys are  
most active nocturnally  
Hana R. Monocelis turtles



RADIO TALK WITH SUE Term IS.

EAST - only spot coverage  
 July 8 - 1 up  
 July 9 4 up (1 new) and tagged  
 WS 6 no activity  
 7

TAG  
 TAGLOTTE - Recovery - made by Rodney Watson  
 \* 3066 RFL

only ♀'s seen basking -  
~~1 July~~ most painted numbers

7-12 <sup>called</sup> John Christensen -  
 "Today" section - Honolulu Star-Bell.

7-12  
 TUES. Met with Vic Lipman 524-7400  
 need photos sent 9 - 7/13  
<sup>KIMOKU PAPER</sup>

7-13  
 WED. FTS 527-3517 Tim Fontaine  
 Galveston

7-13  
 Called to KLAUS WYRTKI - concerning  
 NOTE "METHOD" OF MEASURING SEA LEVEL <sup>NUTUNU</sup> seawater drop



14-29 JULY 1983

93

COSTA RICA -

WATS; EAST PAC. WORKSHOP  
& IUCN TURTLE GROUP

7-14-83 SLP - I noted growth on albatrosses  
Thursday feet. 4 young (Feb 83)  
turtles are still in display tank.  
Visited with Christina's preschool class.

7-14-83 Richard Lyman telephoned (523-6200)

7-29-83 TIM FONTAINE

409 ~~409~~

(should contact  
Gordon Panama  
- Kaim Schools)

Galveston (~~713~~) 766-3500

FTS 527-6500 3517

MS has been sent to Center for  
approval about 2 weeks ago.

7-30-83 DAVID W. OWENS

SAT.

Telephoned  
from home  
(D.A.I.)

(409)

~~775-4698~~

693-7031

8-1-83 Telephoned Peter Glynn  
from Panama currently at HIMB;  
Gave him L. Perez's address  
in relation to his interest in coral  
die-off. He has accepted a job  
at Miami Univ.



94 Inspected by Miriam & Streeter while I was  
in Costa Rica -

7/26/83  
- Adult male  
- shell taken off  
- very deteriorated  
- tumors found under front  
flippers, base of neck and  
bottom right base of tail  
curved plastron 163 cm  
curved plastron w 54 cm

7 prominent tumors

on top of flippers  
under flippers

base right of tail  
Photos taken by Miriam Illios.

→ 422-0531

- Hickam operator
- military operator
- ext. ?

Bill Lennan - Building  
T1

16 NIPES  
with three  
BASE COMMANDER  
Col. Moore



8-2-83

Joe Davis - USCG - compiling  
17 Manuals for boarding officers  
Needs slide of a green & a hawkbill.  
(picked them up)

JOHNSTON ATOLL 2 AUG 83

TACK with Bill G. & (GAIL)

Bill Lennon - 438-2264 ACE  
SAT - TUES

Air-Mic 800-421-5390?

TO JA: TUES & THURS depart 9:15am  
FROM JA: TUES 5:54am arrive 11:17am

#253 each way  
or #2427 RT 7 days

16th TUES Air mic  
17th THURS MAC

MAC - 449-2807 or 6683 Schedule

" 449-1270 Fares

NON-DOQ \$87 each way Thursday

MAC - SAT. (on Through)

COL. MOORE - BASE COMMANDER

17th Questions - 1) Water Quality Report  
2) Coast per dem 3) Reser./boath MAC 4) Compressor  
fill bottles 5) sent boat 6) Sewage treatment  
Vehicle  
NEED ("AREA CLEARANCE" Bill Lennon will take care of it.)

NEEDS - 1) dive gear, as per Naughton  
2) construct nets 3) camp gear

MAPS - AERIAL PHOTOS

NOAA-83637 (Hydrographic)

Defense Mapping Agency  
"COOKIE"  
449-5491

"SAMPLING" Design



## SUMMARY OF POINTS FROM COSTA RICA MEETINGS

1. B. Gordon - (a) "Public Participation & Awareness"  
 (b) Trawling + longline take.  
 (c) Brochures
2. Trawler problem in E. Pacific  
 (US take, 12,000 annually)  
 in SE region
3. 2 tog recoveries of ridleys by  
 Tuna boats
4. Need for regional research - East Pacific
5. Ridleys juveniles  
 1 in Hawaii  
 1000 - Have not found juveniles
6. Input by FWS (Fille "4" Funds?)
7. Importance of UN work
8. B. Gordon - impacts of offshore development  
 - will FUND SUBSTANTIALLY
9. How many do we have, and where?  
 How many do we need?  
 How many do we want?  
 How do we keep what we want?
10. Inject with protein to boost nutrition.
11. Protect in U.S. so they can eat them  
 in the poorer countries.
12. "Salmon" tags - B. Gordon
13. Look at take in the past and see what has happened.



Guillermo Conessa  
 Museo Nat. C.R.  
 Ap. P. 103 Plaza Vique  
 San Jose, C.R.

14. LIPOFUCIN - ENTOMOLOGISTS
15. Critical Need - Mortality of PRE-ADULTS.  
 How do you design a SAMPLING STUDY TO DETERMINE THIS?
16. LONG-LIVED SPECIES -- DIFFERENT SECTORS OF THE POPULATION CAN SHOW DIFFERENT TRENDS. IN A SMALL POPULATION, IF WRONG MANAGEMENT, CONSEQUENCES CAN COME FAST
- FACTORS a) levels of recruitment  
 b) size of population
17. Need to know size of the stock from which the recruits are now being derived.
18. Successful management regime - "Fur Seals"



8-3-83 John Glazebrook visited the  
 WED. Lab today on his way to  
 Wildlife Disease meeting in Gainesville.  
 Will write to me about any new  
 developments on tumor studies. May  
 want preserved tumor tissue  
 for E.M.

8-4-83 am Limpus called me at home from  
~~Wed.~~ Thursday the airport

8-4-83 Call from Eileen Cooney,  
 NMFS General Council, concerning  
 speared turtle taken on the N. shore -  
 kept overnight in Kim's (Wright) bathtub.  
 Person claims it was found dead -  
 taken for shell.  
 (Question - so why put it in a plastic  
 bag on ice ??)

8-4 Lunch with Consey Whitton



8-4-83  
Thursday Call from Larry Owen (yesterday too)  
Mentioned "Industry meeting"  
to be held soon in which  
Woods, Owens and Bacon will  
attend.

8-4-83 Call from Kim Wright  
about (1) Her trip to  
Am. Samoa with Fishery Council  
advisory people. Cooper along  
too - talked about about  
"aboriginal rights and turtles".  
At Coleman's cocktail party,  
he asked governor, "Isn't that  
right?" and Coleman said  
"No, we here in Samoa  
want to protect our  
turtles".  
(2) 16-18" green turtle from Tulsa  
zoo (Oklahoma) acquired from  
Bronx zoo and Wayne Frain.  
Kim interested in bringing  
it here to give to Cooper.  
People present - Frank Farm & Yamamoto

Goalis' comments ??



8-4-83 Ship called and said they were recently at Maua Fani, no turtles seen in ponds. However, 3 turtles seen foraging in the bay in the presence of bright lights. Skemed like normal feeding.

8-8-83

MONDAY Woody FTS 474-2038

Bobman FTS - 474-3972

Comm. - (505) 766-3972

8-8 talked to Bob Brownell about Arabian Gulf turtles (He will be in Hawaii all day on 28 Aug)

8-8 Call from Fred Ball - Maui - reports that State enforcement caught people with a large (3') green turtle dead, taking it home, after it ~~was~~ shown after tangling in their nets. Tumors present. He will take photos.

8-8 R. Shomura reports recent fatalities from eating hawksbills in Tonga.

" TAKEN OFF GUARDEA, MAUI "



8-9-83 Telephoned David Bauman  
 TUES. Concerning East Pac. letter, & Clifton's  
 WWF proposal.

8-9 Mike Yamamoto  
 TUES. State Aquatic Resources  
 548-4371

Concerning Seattle Aquarium request  
 I'm waiting for Seattle Aquarium  
 response.

8-9 Call from Bobbie Harwey - <sup>Andre Harwey's</sup> WIFE  
 Suggest she call Bill tomorrow  
 at 7am.

8-10 Call from Ken Dodd passing  
 Wed. through at airport from Australia.

8-10 Called Peggy Hodge 262-5674  
 Wed. about Man-o-war, +  
 some velleta and purple shells  
 washing ashore in Lanikai  
 Beach in largest numbers  
 she has ever seen. Mentioned  
 in Harry Whitten's column.  
 No turtles seen, but she  
 wasn't specifically looking for them.



SMITH ORG. DATA SHOULD BE IN OLD DATA LOGS

Summary = 2 seam; 1 center; 2 marginal

8-9-83 - Kewalo Basin Turtles ORIGINALLY GRAFTED BY J Hendrickson

1.

Center of 1st Cat Graft - Big & white/yellow - faint Blk mark on PL.  
photo #1 - 5683, 45<sup>9</sup> (whole turtle)  
" #2 - 5683, 45<sup>9</sup> (close up)  
straight length (40.2)  
width 30.2  
left Marg. injured indented, but healed.

2.

5659, 630 - photo #3  
straight carapace length - (41.4)  
" " width - 36.4  
8/23/83  
42.5 cm  
1-2nd Cat on seam white & Big; PL Blk mark distinct - also on seam

3.

6498, 5608, 815, 515 (4/12/83 S-39.1 x 31.8) 8/23/83  
straight carapace length - (40.3)  
" " width - 33.5  
11th May left ventral distinct Blk spot -  
Dorsal - nothing  
Right 11st has scars of old robe (?)  
41.1 cm

4.

6499, 5725, 731 (8/23/83 Gandy) 42.5 cm  
straight carapace length - (41.8)  
" " width - 36.2  
11th May. left - 2 Blk spots ventral  
1 Darker than others.  
Dark one close to skin of pelvic area.  
47.5 cm

5.

5711, 6497, 907  
1-2 Cat on seam Big & white - seam titted up - compared to other side  
straight carapace length - (46.7)  
" " width - 36.9  
8/23/83  
Photo #4

+ 3 much smaller turtles - all with white carapace graft.



HERB

Peters

395-8522

MVIII -

8-10-83  
Wed.Fred Ball called from  
Maui -

8-10

Rick Calley called (Sand IS. Midway)  
bc. Analysis Corp  
3049 UALENA ST  
Suite 1101  
Honolulu 96819

8-11

will be in Honolulu 8/18  
Walt Dudley 961-9411

8-11

Diane Digniel - called, Mailed her  
articles. 257-2171

8-12

Wayne King - I telephoned from UH,  
(904) 392-1721 7:38 Hawaii

1:39 Gainesville

(out on vacation) - I should  
call him on Monday

8-15

Called Wayne King 7:29 - 8am  
from UH392-1721  
(need to file telephone slip)



1982  
FYS  
GRAFT  
SITES =

SEAM

1-2nd left-margin [for <sup>DP</sup> Bowman]

105

Ruth Ellen Clinger  
Virginia Institute of Marine Science  
Gloucester Point, VIRGINIA 23062

8-15  
MONDAY

Telephone call from Rick Davis,  
on his way back to Am. Samoa.  
The above person is doing a  
degree on "aging" of sea turtles.  
Wanted info on Rose Island  
and sea turtles. Rick said  
that points were made during  
the Samoa meeting that should  
have been entered into the record.  
Such as - plenty food in Manua;  
x Can't tell difference between greens &  
hawks; same money spent on  
hearing; could have been used  
for EDUCATION (by Rick's Dept).  
No return trips taken to  
Rose since we were there.  
He would like a supply of  
sighting forms.

8-16

TUESDAY

DAN MORIARITY

828-1414

Box 87  
Kilauea, Hawaii 96754

Hawaii FWS

Interested in turtle lecture for Kilauea Association



8-16-83 Tags returned by Sue C.  
from FFS

7209 - 7225 (17)

7226 - 7250 (25)

6676 - 6700 (25)

KAm - Return from Cisianski

p57  
Lisi  
checked out  
6751-6950  
(200)

6851 - 6950 (100)

6790 - 6800 (11)

6801 - 6850 (50)

161

8-17-83

TAGS RETURNED IN DRUM - USCG from Midway  
6707 - 6725 (19)

p57  
Layson checked  
out 6701-6750  
(50)

7433 - 7450 (18)

27

9/12/83

6707-6725

Sent to HILO MOP  
WITH PLIERS



Alan Tomita - Aquarist AT 9221233407  
PACIFIC BEACH HOTEL  
MANAGER - BRUCE HIRAI

8-18 Called David Bourman about  
Thursday graft sites. He just finished  
talking to Kim.

WWF  
8-18 Nancy Hammond (202) 387-0800  
Thursday Talked about Clifton project.

[NEED TO CALL MONDAY MORNING]

8-19 Friday - Call from Peter  
Friday Connally's wife - A  
report to Peter about a large  
turtle crawling ashore at  
Awahua, Lanai, and digging a hole.  
Called Connally at home 565-6242  
Peter & Joab - + Nurse  
Maggie

Saw large turtle ~ 2 wks  
ago while sun bathing at  
Awahua. Turtle was  
gone by the time she went  
to get her husband.  
Seemed to be only in intertidal.  
Many turtles seen offshore.

8-19 Walt Dudley & Nancy Bernard  
visited me.



8-22  
MONDAY

"Call from Larry Ogren -  
Caribbean Industry" Seminars  
to be held in late Sept -  
early Oct.

8-22

Visit from Martha Heath - in  
town for Physiology meeting.

8-22

Call from Joe Davis.  
Turtle confiscated by USCG  
boarding party - reportedly 64 year old Japanese  
man in 16' boat - found  
turtle floating, dead.

MONDAY

LOCATION:

Delivered on ice - no "rigor  
mortis" in neck or flippers.  
Posted by me, Kam, Sue L.  
and Thea by dumpster at NMFS.

S - 41.2 x 33.9 (41.0 "to notch")

C - 43.5 x 40.1

PL - 32.6

HEAD - 7.0

TAIL - 8.0

Photos of 2 "compartments" of stomach.

Some coralline and scummy algae on  
carapace. A few skin barnacles.



8-22-83

MONDAY

USCG Seizure

109

Fat sample taken for R. Acherman.  
 1<sup>st</sup> stomach - full of bright green  
 fresh Codium.  
 2<sup>nd</sup> stomach - mostly a red filament -  
 digestive action obvious.  
 Samples of algae saved for ID.  
 All other remains discarded in  
 dumpster.

8-23-83

TUESDAY MORNING

SEA LIFE PARK - applied tags  
to FEB 1983 capture HATCH 4 TURTLES

(978 2<sup>nd</sup> scale Right  
 998 2-3<sup>rd</sup> web L

S-21.0 cm

(NMFS <sup>NO. 1</sup> size #1)  
INSCRIPTION

(982 2<sup>nd</sup> scale Left  
 985 2-3<sup>rd</sup> web R

S-15.8 cm

(986 RFLap  
 987 LFLap

S- 18.0 cm

(988 2<sup>nd</sup> scale R  
 989 2-3<sup>rd</sup> web L

S- 19.2 cm

3 photos taken for Steve



(8/23/83) <sup>BACK</sup> NOTES Recorded from SLP-55-8

log book on Turtle

3/18/81 #606

contract - (1st book was destroyed accidentally)

3/19/81 - Bales took photos

#618  
316

3/19/81 #504, 648, 643, 480 ham measured

3/27/81 "put new toys on left FF"

3/30/81 finished new toys

flippers  
toys on RFF 10/23/81

734 (334) 108.1mm 275g

#504, 648, 480, 316 Bales will  
tag with large tags

4/14/81 #963, 736, 956, 966

Freeing band

4/25/81 336/736

963/663

256/956

666/966



TORONTO, ONTARIO 5-6 hours ahead  
 12 midnight #  
 MON - Sat 2Bam .90 .80  
 8-12 #1.80 1.60

Flight - 7:45 pm depart  
 sleeping bag / air mattress / mask - fins /

8/29 Don Heacock telephoned reporting  
 MONDAY that a large turtle crawled  
 on the beach last night  
 at Kawaihai (South shore of  
 Kawai)

poster  
 &  
 Lit. x  
 sen

JOHN ALERTON - CAWAI Gardens  
 UP 8/28/81 "Big job" before going  
 back to ocean. Came up same  
 place as a few days before.  
 Tracks ~ 3' wide. All  
 erased now, but Heacock took  
 \* photos.



11260 Edgredge - wife (Wife) - 254-3317

called

Ed Robinson - Maui - 879-4825

8-30-83 Hawaiian watercolors  
TUES. (call after 4pm)

George Aiona - home phone 696-7371

8-31 Wed. 3 small turtles - Kewalo 1-2<sup>nd</sup> left seam  
size 1

① 704 (4<sup>th</sup> scale R) S-17.7 cm  
996 3<sup>rd</sup> left - NEW

② Bik upper jaw 294-295 S-13.7 cm still has some pigment also seams of PC  
3<sup>rd</sup> RIGHT PL left

③ size 1 702 (4<sup>th</sup> Scale R) S-20.5 cm  
997 3<sup>rd</sup> left - NEW

~~997~~ ↑ Above released at Tern Is.  
9/8/83

(S-19.3. Tag removed 749 NURS size 1)  
Rotten turtle in freezer at Kewalo -  
Red paint markings on carapace



MOKUPAPAPA EXPEDITION

1-2 SEPT 83 (KAUAI via NUHAN)  
HONOLULU

9-6-83 Called Kitty Nelson - Seattle Aquarium  
TUESDAY (206) 625-5018  
Collect

- 1. Hawaiian 537-5100 | \$99.90 Reg. fare  
 (5 get 6 \$225 = 37.50 each way) club | 59.90 <sup>hand</sup> 5 by | 24.95 6 am 41.95 = 66.90  
 TRAVEL CARD
- 2. Aloha - 836-1111  
 coupon book 6 flights for \$225
- 3. Mid-Pac Air - 836-3313 #33.95  
 6 - \$191.70 #31.95

9-7-83 MM/ES Staff Meeting 8:30am  
Wednesday

20-21<sup>st</sup> Sept - possibility for KURE - Remove pen

27<sup>th</sup> Sept  
27 TUES - BACABS TO KURE  
29<sup>th</sup> Thurs - kam come down

31<sup>st</sup> October - leave for Johnston Atoll  
Chromwell

- Hazard Duty Pay -  
Big IS. too?



9-7  
WED.Called Sail Shimoto 245-61919-8  
letter -  
emblem  
sentMarva Mury, Public Relations  
Hilton Hawaiian Village  
2005 KALIA Rd.  
Honolulu, HI 96815

949-4141

9-9  
Fridaycalled  
Karl Kenyon (206) 362-2523  
about Johnston Atoll9-9  
FridayF.R. Fosberg Smithsonian main NO. 1  
(202) 357-1300  
Fosberg's  
office (202) 357-2301

955-4811

KAZUO HIRANO  
EXECUTIVE PRODUCER

(Fuji Telecasting)

ED KELIIOA

533-6706



9/19 FRIDAY

NOAA Check-out DIVE WITH  
JOHN NAUGHTON

115

9-9 Ed Robinson <sup>MAUI</sup> 879-3584

Mark Greene 836-5946

call him Wednesday afternoon

BMW MOTORCYCLE

9-12 MON.

9-13 TUES HILO - SEA GRANT/MOP PROJECT

9-14 Don Heacock called me. Said that  
WED. Turtle came back last night or early morning  
according to Alexton. down the beach away from  
to oil trucks, but no dig.

9-14 Called Walt Dudley from home, charged  
to NMFS

9-15 DON MOSES

Thursd. P.O. Box 3422

LILUOE, HI - 96766

sent posters  
and HFN

call  
Woodsie

9-16 <sup>(see page 111)</sup>  
FRIDAY Call to Don Heacock - he spent  
night (early am) on the beach 9-15 -  
very dark, but some lights about from  
pine harvest (or related agriculture). No turtle  
However, 9-15<sup>pm</sup> - 11<sup>am</sup>, a long no-dig  
track was found. Don may go  
there again 9-17 am. (NOTHING)

DIDN'T COME BACK UNTIL 9/21 (I dig - probably good)



9-16 Larry Ogren telephoned me.  
FRIDAY

(see p. 85)

Nesting KMCAS

9-16  
FRIDAY

Drove to Ulupou Crater and met Scott Johnson, Diane Dugot, and Dennis (Base env. Dept?). Marked off area of mount from turtle. Scraped away sand down to 2+ feet when it became hard compacted clay. Nothing found. Silt stratification through most of digging suggest no recent disturbance. Black olivine sand. Quite a bit of green present; but also some white calcareous particles.

9/18  
Sunday

6:30pm telephone call from CHARLIE Reppun - found a turtle that just died at Kahaluu. Referred to me by Dr. Banner. His brother is a pathologist Kaiser.

9-19  
Monday

Delivered to lab at ~ 12 noon. Full size adult female - seen as carcase; frozen at Waikiki Aquarium.

LOCATION Found? Kaneohe Bay  
" near Chirawan's Hot -  
" entrance Towers

M  
9-19

9-19  
MONDAY

9-20  
TUES

recpt



MONDAY  
9-19

Charlie Reppun  
47-410 Lulani St.  
Kaneohe 96744  
ph. 239-8383

BELLOWS EXP. 24

9-19 Set 2 sections, SITE 1, 6:30 pm

Monday New nets made by AKHK

9-20  
Tues

4 am capture (2nd)

NO TAGS

Large TMR R ventral Pelvis <sup>from</sup> - base  
of right hind flipper (4 photos)

verop

(S) 74.2 x 59.9

(L) 80.1 x 79.2

PL 61.3

HEAD 10.6

TAIL 15.0

PC on PL

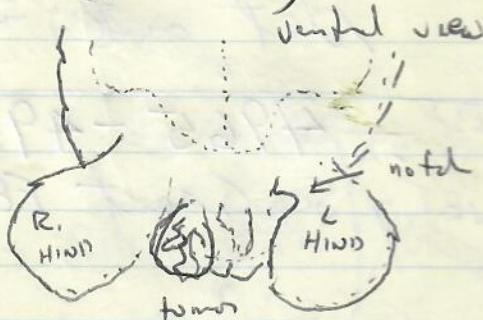
few skin barnacles on neck + pelvis

# 4961 RFL

# 4963 LFL +tl

# 4962 LFL

# 4964 RFL +tl



TAGS 'CRIMP' PROBLEM

note: pierce did not put tag on symmetrical

" " " "

4th central - 4th lat, both divided into 2  
5 central misshaped



118

9-19-83

MONDAY

9-20-83

TUESDAY

Bellows (cont.)

1st Capture in net - 8:15 pm

Tag Recovery -

23350 3467

2336

S - 60.3 x 47.3 cm 3rd-4th  
60.2 notch

C - 64.5 x 59.6

PL - 49.0

HEAD - 8.8

TAIL - 12.3

cm length

(4 Photos Taken)

Capture	1st recapture	2nd recapture	3rd recapture
	<del>MONTHS</del>		
	YEARS		

Net out - 7:45 am

MAILED  
5 TAGS  
TO HAAS  
NBT  
~~KENTUCKY~~

4965 - 4969 (5) TO NBT 9/21/83  
Sea Grant F84-238-F-582-B-323

→ Subsequently returned

J. Ball - Retrieve overhead



Thursday  
22 Sept 83

Persons present - Reppun + brother, 19  
wife; Andre Harvey; Henderson;  
Gilmartin, Kam

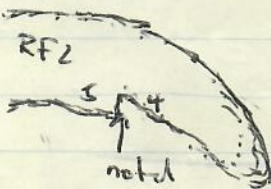
♀  
Autopsy of adult female green turtle  
performed at Kuala Basir.

Kanoke Bay near Chinaman's Hat	(S)	35.0 x 88.8 x 66.6
	(L)	37.0 x 94.2 x 86.5
	PL	71.2
	Head	12.4
	Tail	24.0

CODE ON BONE:  
"83KB"

LFL skull: 14.9 cm

PL on centrals <sup>and on PL cone bases</sup> Chelonian barnacles on L. margin  
of carapace (large + med. size)  
Skin barnacle<sup>⊗</sup> neck + pelvis  
⊗ borrowing barnacle LFZ



Some blood coming out of the eye (mouth)  
Bunch of buccal amphipods (+ lots)

PHOTOGRAPHS of Carapace + 2 "stomach" portions  
CUT INTO ANIMAL -

1. lots (+) of <sup>peritoneal</sup> inner cavity filled w/ fluid/blood

contents -  
Stomach - Codium & Hypnea (Goldish though)  
moderate to heavy fill; but sections of gut are  
somewhat empty; fibrous particles in  
peritoneum cavity where blood came out of.  
Area spotted by Bil in gut where  
apparently it became "twisted" - caused  
necrosis and rupture. Horses sometimes  
have this happen. Humeri and



9-22-83

Thursday

one femur and sections of plectron  
were taken for age determination  
by Zug. Also depot fat samples  
for Ackman.

Remainder of carcass discarded in  
dumpster. Shell hit by Bill with sledgehammer.  
Noted seemingly mature oviducts -  
pocket placed where eggs had  
developed at one time.

(Is this "scarred"?)

6/14/85

Two CAPTAINS - Alb. Troller

from Roy -  
Snyder



# METRIC SYSTEM WITH U.S. EQUIVALENTS

## METRIC UNIT (1) U.S. EQUIVALENT

### LENGTH

millimeter	(mm)	0.04 inches
centimeter	(cm)	0.39 inches
decimeter	(dm)	3.94 inches
meter	(m)	39.37 inches
decameter	(Dm)	32.81 feet
hectometer	(hm)	109.36 yards
kilometer	(km)	0.62 miles
myriameter		6.2 miles

### AREA

square centimeter	(cm <sup>2</sup> )	0.155 sq. inches
square meter	(m <sup>2</sup> )	1.196 sq. yards
are	(a)	119.60 sq. yards
hectare	(ha)	2.47 acres
sq. kilometer	(km <sup>2</sup> )	0.3861 sq. miles

### WEIGHT

milligram	(mg)	0.015 grains
centigram	(cg)	0.154 grains
decigram	(dg)	1.1543 grains
gram	(g)	0.035 ounces
decagram	(Dg)	0.353 ounces
hectogram	(hg)	3.527 ounces
kilogram	(kg)	2.2046 pounds
quintal		220.46 pounds
metric ton		1.1 tons

## METRIC UNIT (1) U.S. EQUIVALENT

### VOLUME

cubic centimeter	(cm <sup>3</sup> )	0.061 cubic inches
cubic decimeter	(dm <sup>3</sup> )	0.0353 cubic feet
cubic meter	(m <sup>3</sup> )	1.31 cubic yards
cubic decameter	(Dm <sup>3</sup> )	13.10 cubic yards

### CAPACITY, CUBIC

milliliter	(ml)	0.06 cubic inches
centiliter	(cl)	0.6 cubic inches
deciliter	(dl)	6.1 cubic inches
liter	(l)	61.02 cubic inches
decaliter	(Dl)	0.35 cubic feet
hectoliter	(hl)	3.53 cubic feet
kiloliter		1.31 cubic yards

### CAPACITY, DRY

deciliter	(dl)	0.18 pints
liter	(l)	0.908 quarts
decaliter	(Dl)	1.14 pecks
hectoliter	(h)	2.84 bushels

### CAPACITY, LIQUID

milliliter		0.27 fluidrams
centiliter		0.338 fluidounces
deciliter		0.21 pints
liter		1.057 quarts
decaliter		2.64 gallons

24.7 cm

24.6 aluminum tape



