

G.H. BALAZS

1996-1997

2 of 2

Need xerox pgs 25, 29, 30, 31, 37  
p. 36, 45,  
45-114 ~~LINE~~

GEORGE BALAZS  
808-9413-1810 COLLECT

APRIL 96 - MARCH 97

62

Denise Telecom

10/29

Robert Hadjick - Breese Hauai  
Wants Surgery on eye tumors.

735-1360  
735-1857

[48] From: Shawn Murakawa 10/21/96 6:35AM (1049 bytes: 1 ln)  
To: George Balazs  
cc: Denise Ellis  
Subject: Norie

----- Message Contents -----  
Norie's messages on the recorder.

- 1) Saturday, picked up a dead turtle from 61-775 Papailoa Road, Haleiwa, CCL=45.0cm. It had small tumors on its head, neck, and flipper area. She put it in our freezer.
- 2) Sunday, picked up a dead turtle from 47-050 Kamehameha Highway, Kahaluu, CCL=43.0cm. It was small. She put it in our freezer.
- 3) Sunday, called to Hanauma Bay regarding a dead turtle. It's CCL=78.5cm. It was decomposed and she left it there. It was a possible shark attack victim.

Also, had a message from a young boy that there was a dead turtle at Laenani Beach Park. He didn't say what day. It's possibly the same turtle that Norie picked up on Sunday.



examined at Kewaio = AAA, P Morris

10/31/96  
Thursday

10/8/96

left eye collapsed, w/ tumors  
IN ANTIBIOTICS NOW prescribed.

Released ~~11/1/96~~  
New  
TAGGED ♀112, ♀113 Pit =

10/26/96

Billnet entangled -  
left eye collapsed. Right eye total tumors.  
RASPING sound breathing.  
11/1/96 released Waialeale Beach Park

10/31 Meeting w/ Tim Price  
CONTACT notes - kits for vessels w/o observers

① DAETS for DNA samples  
② SAT. TRANS. KITS  
need - ① Collect DNA drift gill net  
② KITS on longline vessels

HONANUANAN #3 6 NOV 96 A/L + HPA + me  
14 captures (all net)

MA  
TOWA  
1388  
Hilo  
need  
TAG  
sw  
in  
top  
to de  
11/7

Mari HAWK meeting no car

Aloha - 12 Nov. Tues

Kenelwa TO M. A. W. 6 AM  
7:15 am FL 60  
(3:55 pm) FL  
4:25 pm 115

85  
Vic Bio 328-23  
CISA = Secretary

~~Honolulu~~  
~~no car~~  
~~Aloha~~  
6:30 am FL 247  
6 Nov (4:30 pm)

6:35 am FL 82  
Aloha - 487-3932 545 pm FL 279  
625

J. Shimoda retired 8/96  
Stanley Strickland Acting  
Acting Acting Gordon Pope

532-1988  
Hilo Puna  
10 Am

10:30 AM Flight 246 #  
(14-15) Nov. Avis 131696 BUSP  
+ car  
FL 75 505 PM

AA T.W.  
Denise  
Avis = 800-321-3712

Bob Morris - son Seattle (2044) (360)  
BOLA 638-2226

Lance Jeffery ~~PA~~ MMRP  
[need Symposium papers]

need view H602 17 Oct 96 Kabala strand  
5/27/92 Molokai Palaeon 50.7 cm

THAGING screen in TAPS to find out details.

Hannah 665-0577 FAX = (808) 667  
MAUI HOME

11/7/96 → T.W. necropsy Makahi  
Blood work - LAWA Turtle  
+ Data sheet "10-8-96" ID

CAWSchool Student

Juliette Johnson  
95-152 Paoa Pl.  
Mililani, HI 96789  
ph: 623-9972

AGAW Telecon

11/5/96 BAAVERS PT. deep draft sent

10 96  
020

956-8055  
LATE OCT. 96  
EARLY NOV. 96  
MICHELLE  
SATTLER (SLP)  
TERMINATED

8 PM NOV. 19  
NOVA  
ATTACH  
Aired

\* carpet  
for  
Paralell  
Then  
Threw  
out  
or?

10-8-96 Lanai Turtle - EU T. WORK

11/9/96 96-366 ← MHS TDR <sup>new</sup> needed  
Sent TO MTEC lice deployed 11/15/96 <sup>boom</sup> of MHS and some He  
exact dimensions  
Same day discussion with Rick Werner says 15  
"Four Winds" Maui fine

11/5/96 Teben Dana Jackson - 661-1702 / 669-0868  
Sent 1288 Annular MAUI 96/61  
4-5 days ago hawkbill at Moloiki acting  
different - lost use of LHF. Will send video.

12 NOV. 96 TUESDAY Hawks bill meeting on Maui  
Brooks, Mike Nishimoto (USFWS) Craig  
Rowland, Shippy, Thierry work, Kathy  
Smith, WAGU, Harbuh Bernard  
Charlie Maxwell.

ATTENDEES  
Keala Beach  
Restoration  
Committee

Steve Williams (dentist) - working to  
have Maui County law changed to prevent  
driving on beach to conform with  
State law.

not here  
Chubby

Conceptual Concept  
"provisional plan"  
A & B - need approval to put up fence, at Maui  
High surf but calm seas.

Afterwards we went to Maui Power plant - deployed  
VHF for monitoring 25695 <sup>(8/96 deployed)</sup>  
heard for 3-4 min. every 40-50 min. <sup>homebase</sup>  
1 adult and 1 small juvenile seen near discharge

\*  
Leaves  
T.H.P.  
C.M.A.  
K.S.

\* need  
per

14-  
ms fr

Acc ha  
SN

\* need  
\$

1/8/96 25695 - WAG found (heard) VHF  
- 1/2 mile off Kahului Harbor

Possible posters for Symposium

- 1) GMT - Dense
- 2) Flipper & Gut comparisons HI/FL
- 3) Molokai Results
- 4) hawk track
- 5) AA = oral tumors

need email to Him

Requires to Him to rescue

Need C. Maxwell - FP Video (ask P. T. H. P.) email

Call Maxwell - haul landing (copy from WGG) - HVP article

need

HTTP://HOOKERZ.COM STORY TELLER

Oahu Museum Books sent 11/13/96

MR. & MRS. JOHN Frazier  
Apt. 203  
20 Whispering Sands Drive  
Sarasota  
Florida 34242

[36] From: Shawn Murakawa 10/28/96 6:33AM (1089 bytes: 1 ln)  
To: George Balazs, Denise Ellis  
Subject: Scott (SSG)

& post

Message Contents  
He left 2 messages.....

1) He picked up a weak turtle from Kualoa on Saturday. It was apparently entangled in a net and found by some fishermen. They released the turtle and brought the turtle to shore. A bystander apparently tried pushing on the turtle to revive it. They did but the turtle was weak. It had tumors on the right eye and neck. CCL=6.0cm. Scott took the turtle to Makai Animal Clinic. 10-26-96

2) Scott called back and asked if we could call Janie Pikovski, a bystander at Kualoa. She wanted to know the outcome of the turtle. Scott mentioned that she was very distraught and was even crying about the turtle. I'm sure I'll be picking up the turtle from Dr. Morris, but do I call this lady back? 737-4880 or 251-3845. 10-28-96 to Hawaii need Address?

\* Need permit out of "Historical" tag reviews

Turtle in NINOLE Pond seen by MOP

new ID# 96366 SON 257

14-15 Nov. 96 PUNALOU #32 AA, T.W.D.E. Bob Ramsey 115165  
Thurs Friday 6 Night Horseshoe  
AC hand snorkel 6-Horseshoe night ONE (4 new, 14 RECAP) 18 total (1-# eye nodule) Score = 1 N388  
11-BAY N537, H194 SCL = 72.4

\* need Sent 11/18/96 + turtle \$45

WWW.WIRED2.NET/NLINSLEY/

68

Transmitter

(ST3)

11/18/96 Fedexed to Telon's System 5358

ID 4802 - recovered at east 6/96

by Tim Clark [1992 deployment - TO JATA] FFS

need

exact need DAY 1 2 NOV. wed. 96

Inject turtles with oxytetracycline (Liquamycin LA-200, Pfizer, Summit, at a dose of 25mg/kg body mass. For each turtle, the injection was divided between the left and right pectoral muscles to facilitate rapid uptake.

+ Disposable correct size syringes w/needle

Money

11/18/96 JOHN BASSO former "NMFS" Calif. drift gill net observer, Maui

need Telecom Tim Price

Tim Price (310) 980-4029 alerted + Shaun & Witta 973-2987 alerted Denise.

Wanted to volunteer regarding to strandings. Seemed upset and perhaps not happy with the agency NMFS (ie "you people") Stressed how "qualified and experienced he was. I offered to mail sighting cards and literature. He wouldn't give address.

Chuck

11/19/96 Telecon from Silver Spring to Sharon Sakai (formerly Tuesday Ishimine) Mauna Lani (808) 881-7085.

Cindy (Kahaloa) snorkel concession 9 year old daughter wrote letter to M.L. Chief asking for pups recipe for cookbook that will be sold to raise \$\$\$ for Hona turtle project.

Need 1) These - Endangered Species Personnel list 2) FL report to Pat (Charleston?) 3) Country to Holiday Trip 4) Mail Papers to Pat.

11/19 AM Meeting w/ Pat Montano RE: FL contract of F & "Grant" and contract 118 + sq TO ECKERT

18-22 NOV. 96 SILVER SPRING, MD - TURTLE ALLOCATION MEETING (20-21 NOV. - meeting)

not represented setx Lunch need

SONOTRONICS  
Exact Dimensions - SONIC =

need ~~W. Id. life Computers MK5 =~~

~~DAY 1 Introduction by B.A.S. & P. Montano~~

20 NOV. - not a forum for base program needs.  
web. 96 POT # provides flexibility  
intent 1-3 years short term projects  
+ Royer, Pat

GHB  
1. Commitments as "proposal" RFP

2. "Mandates" - unclear for preranking

3. Base Funding - PPR

4. Post ranking process

5. Integrity of proposal return to originator

6. Unjustified SE/Gulf vs. West (competition)  
(Release of money? Science)

Chuck - Management vs Research

"Fisheries sustainable Management" should fund biological opinion mandates, not Protected Resources.

"Zero sum game" - Steve Reilly  
BAS - FINAL spending plan rests with Nancy Foster

Bob Gonell - Fund USA waters first before foreign.

8 votes total at Meeting:  
① P. Zimmerman, ② Lecky, ③ GHB, ④ Doug Christianson, ⑤ Lou Silva, ⑥ Chuck Orvitz, ⑦ Gonell, ⑧ BAS

Not Represented

Tom Bickford - Habitat office Science & Technology

sent  
- Lunch need  
Bob Gonell - Sustainable Fisheries  
Chuck - Start Ranking

List of Pacific Countries, Fed Training Dates of Post or future workshops

68 (DAY 2)

20 NOV 96  
Wednesday

"Fishery Management Program"  
should pay for observers  
PATMI = position (long term) of F/PR  
this is it

G. MATZOCK = spoke to Group. "Sustainable Fisheries Division"  
No observer # in this division + NEXT 2 years already set. They have  
no money to pay for observers.

21 NOV 96  
Thursday  
National  
Observer  
Program  
Needs  
Support !!

Bob Gonell - PUNALIU Swamyming ~ 2 years ago  
Send note  
NO EMAIL  
PT  
Punahoa  
articles  
TM 230

Long Term index in-water sampling sites.  
-TOP PRIORITY OF EXPERTWORKING GROUP - SE.  
2090 Barbara's time is research.

need  
Telonis ST-14 invoice date 9/24; delivery date 9/16

need  
Email Zimmerman: confirm green in Gulf w/ FP; EU-ice  
then Fedex.

need  
Data  
cc 3/5  
Daryl - NE observer data JPL analysis email

✓ Add to phone card - get MEX Access #  
Copied Brock video - Call them. = | Tel =

✓ CALUA for 11/26 PM Return Mexico.

UK-B: Turtle hospital <sup>Hino</sup> article?

(12) All progress reports handed out ones for Gainesville UF contract? (13) LEW samples  
(14) FEPTO Biomas (15) For Humb visits + H. vehicle

Need - (1) L. eye (2) STREP. baby (3) UAE Travel Report (4) Windows email? (5) L. 2

hasher K Bay - Lopez (6) Co Sec Bowser Abstract to FP list (7) Lab Tech. paid by  
(8) General ISC Meeting report (9) Mail to Laura Scholten  
(10) Denise - plot file + titles (11) Letter to GARD on Ground Rules, cc participants (12) H2O

8-14 96

BACKPACK

7822

pepa  
581  
1110 PM

NOV 25 NOV

Research  
Programs

Research  
Topics

e. Longin  
Bycatch  
Research

genetic

meeting  
etc

lebe

Spunk  
sheet  
- Susan C.



8-14 Dec 96

- Need - Tahiti: ① Global Strategy ② Tags/Pliers ③ cameras  
 ④ ~~GPS~~ ⑤ Satotrans? ⑥ water purification pills? ⑦ sleeping pad ⑧ sheets  
 ⑨ Backpack ⑩ Insect repell ⑪ Scully report & Gray Book ⑫ French Dictionary ⑬ Gifts

7822 ROYAL HOTEL PEDREGAL (525) 726-9036 .VS. MEXUS GULFO

depart sat. 11:00pm  
 23-27 NOVEMBER 96 MEXUS PACIFICO  
 web: Mexico City MEETING 25-26 NOV. MON. TUES.

MONDAY 25 NOV 96 10:00am  
 INF - Instituto Nacional de la Pesca

OUTLINE ITEMS FOR PRESENTATION

By Research PROGRAMS - Introduction - MTRP HL SWFSC La Jolla  
 Three area of research ① Hawaiian ISLAND RECOVERY ② S.P. island of U.S. + STOCKS IN poor condition  
 coop assistance to island nations - other SP Greens - SPREP - RMTCP  
 Research TOPICS ③ Research Program focuses on bycatch of sea turtles - mainly taken by commercial high seas fisheries - early 1980's driftnets of J.K.T. Move recently longline fisheries based in Hawaii. Last component describe today that is most relevant to this meeting - general remarks followed by Dr. Dutton

C. Longline Bycatch Research

Observer program - to document numbers and species of turtles (and min/seabirds) taken.  
 53% C.c. 24% D.c. 10% B.c. 8%?  
 (59% coverage) 20 10 4 ESTIMATED  
 C.m. 5% 2 1/4 - 2/95 C.C. 442 TAKE 52 morbidity  
 D.c. 178 TAKE 21 "

genetics Most not dead, but post release? sat. tag  
 Tagged, measured, tissue biopsy for  
 Source of animals = Dr. Pablo ALVAREZ FUENTES

meeting - Cochran M. Hillman + Dr. Antonio Diaz de Leon Corral - P.A. Steades 15 =  
 at - New Natl Institute for Ecology Building

Research TOPICS  
 Rene (HERE ALVAREZ) Laura Sarty ANITA BARRIGAN  
 + Bowen C.c. A. Send Reports to Rene. P.A. = R.M. will coordinate / scott must have told R.M. of this  
 How S.E. sent dis. Pacific Plans? Rene on Team. BAS R.M. CONTACT of this

70 Need for Joint publication of Results - P.A. <sup>SEA ANIMALS</sup> (1) SEA CIONS

MTI is "population explosion of sardines" more and more our work evaluations of ecosystem rather than focusing on ind. species.

(2) Vaquita (*Phocoena sinuata*) P.A.  
Small endemic dolphin 150-400 individuals  
Endangered species. Mortality 10% annual (elated)

(3) Gray whales - Tourist ~~activities~~ <sup>activities</sup> - impact?  
"index of reproduction" visual monitor as they pass

25 NOV.  
9:00 AM  
MONDAY

12:45 PM  
OTHER TOPICS

(Totopaba etc  
(large fish)

FISHERIES (1) Billfish (G. BAKAGAWA) - Angler Surveys; tagging; Blue Marlin - KONA  
(PESQUERIAS) Swordfish trapped <sup>in</sup> Hawaii caught off Calif (2 records).

P.A. Swordfish very important fisheries ENSENADA 750 miles - Council  
P.A. Mexican observers on spot boats going to Revigillas?  
CA Swordfish > 312 harpoon; 712 driftnet.

1:24 PM After Lunch - (2) SHARKS - thresher / Mako - longline - <sup>near Crystal</sup> border  
Gary - "bring NGOs <sup>ACADEMIA</sup> into shark planning process";  
(3) Smaller pelagic fish

Marine Turtles (*Tortugas Marinas*)

Recent presentation - large increase in live ridley arrivals  
Laura Sarti - Mexiquillo - Densest DIC

last meetings -

in New Orleans - US Mexico Joint Fisheries Meeting.  
me then - 10 min SW of Hawaii

5:55 Dutton  
Dr. P. M. <sup>Antonio</sup> ~~Dr. P. M. Antonio~~ DNA & Tissue Bank

Corral - "regretted Abreu not here."  
(President of Institute) <sup>we want to</sup> attend workshops TO P. 72

PD: 2 no  
PA: - Dr  
LS: - JW  
2 period  
PD: = rec  
Send P.  
BAS-  
Bill Pie  
send T  
Williams  
Need  
✓ M  
Rev  
ABB  
need  
DO sat.  
workweek  
Scott  
✓ To  
W.D. Spain  
12°C  
Need  
26 NO  
TUESda  
24/2  
study h  
3 years  
5  
Super

P.D. 2 modems, 200 PITS TO SARTI, THIS TRIP (Rechargeable batteries)  
P.A. - Did not know NUMS # at HUBBS  
L.S. - JAW? 10 sat. man, SIE. TO deploy D.C.  
2 previously deployed SIE - NOT successful.  
P.D. = recently recovered Sid. Bay 37m green (now 95m)

Send P.A. symposium volume, + others  
BAS - Rene - Pacific, P.A. mention his role

w/my tags - Bunched  
Two Scott  
Echert/Hubbs  
contracts.

Will pictures off www (as per Jutton overhead),  
Williams Gibbons - Fly (knows Thierry work)

Need email request to Deborah Sue & Michelle Bayle  
Request permission to send Eric to Moritz, D.C. TO US

Need - Indonesian leatherback samples, Rene?  
Marydell - Spanish Global to Rene.  
Rene to Cuba this week. Laura Sarti. Slide -  
set, trans

ABB need email request  
Posterior Antenna - Echert D.C.

Harness, large upright antenna antenna  
Posterior unit - 450 antenna aiming posterior,  
Scott - what are the units? Blue color of harness +

Transmitters Spanish version TO P.D. & Kelly  
MAD Spanish/French versions

Bill Gibbons - Fly  
Regional Fisheries/Attache  
U.S. EMBASSY FOR LATIN AMERICA  
c/o BOX #3087  
CAREDO, TX 78044  
FLYWIC@MEXICO.NPOA.US-STATE.GOV

12°C nighttime? P.D. follow up again w/ button and Sarti Echert also!  
Need P.D. "status review" for BAS sent 12/7/96

26 NOV 1996 ABACONE  
TUESDAY 9:30 AM  
DAY 2 Production Models, Rene = Rolodex  
I.N.P. CRIP MANZANILLO  
Playa Ventanas S/N, A.P. 591  
Manzanillo, Colima, 28200

study 10:45 AM TEDS Biol. Alfredo Sanchez Palatfox  
3 years Book Antares Drazz 50 trips, 44 trawlers  
7000 trawling hours. BASIS for Legal provisions published in official Gazette.  
5 different devices

"Excluidores de Tortuga"  
Super Shooter - Needleless grid.  
Mainly GOLFINA Olive Ridley  
(Blacks also?)

72

Conrad

25 NOV 96

TUES.

need PABLO & ARTURO TITLES and  
ADDRESS  
HP. CIENCIAS.  
UNAM.MX

Direct ties between researchers more important than political. "Regulate turtle camps" - many many now, even at Hotels. Need to standardize, at least the laws under federal. TED along Pacific Coast study this season > 1 April. Escape of 7-10% shrimp (?)

Surf fish to Pablo - reports, B.O., Gerard report, etc. Handling TM, Post-hooking report.

EDUCATION

Reve - 8000 visitors to one camp, Oaxaca. Tour agencies to "Mexican turtle center"

11/26/96 Mexus Golfo - Merida last week - TED presentation in ventura  
J. Ferrer Attend? (yes)

TUES  
prepos  
see  
SECRET  
3-camp  
details

- ① Help with ~~new~~ monitoring of new area they have discovered.
- ② Supporting a workshop in Mexico for training of PIT tag - microchip
- ③ Genetic collaboration

Side meeting L.S., P.D., R.M., A.A. - on priorities need BAS - ATERA values \$\$\$ to HUBBS - watch out above

12:25pm My question - Has he had more \$\$\$ for Mexican work from NMFS than SWFSC? I.A.P. journal 24 years, Spanish/English Fisheries resources & conservation of marine resources.

12:30pm Closing STATEMENTS

11/26 Mexus Golfo - Pacific join <sup>maybe</sup> at Am. Fish. Soc. meet AFTERNOON lunch w/ Alberto - discussed workshop report - Cruise

week ~~to~~ Contact Peter about A. Abreu visiting S. Diego

- ① TULLMAN inquire to FWS about Mexico turtle funding Black Turtle
- ② MAF - Cuba - Neco - Don't give perception of trying to get catch them. (199)

REPORT 10:30am WAF 1004

Handwritten notes on the right margin of the page, including dates like 11/26 and 11-20, and other illegible scribbles.

Liq. crystal TV → 397 8947  
Need - WGG BOA - IRA  
Dulene

need - ladders on  
HPA boat for  
boarding. 13

11/27 (Wed) 96 Telecon w/ DONNA O'DANIEL - boss Release. NPS

~~Bill~~ Tel. message at home of BC network  
11/27 (Wed) in Bill

NEED

(610) 701 6112 (800) 609 0195

11-20 Dec, 96

probe needed 29 NOV. 96 FRIDAY

Clone Genetic

J. Casey  
A. Aguirre  
T. Work  
S. MURAKAWA

✓ Dutton - Susceptibility to disease  
J. Wood electro article.

✓ Kent Svorhal clay

As needed  
Help to  
Fund?

✓ Copy of my travel work sheet so Jim can easily complete his.  
Thieny's cell line infection proposal.  
"TOP" for FWS funding. pending.

Cornell 63% overhead - CONTRACT DIRECT TO JIM OR FWSA

JagdsIEKE - Retrovirus  
"VIRUS"  
cows/sheep S. America

✓ 2 Bowen  
mtDNA - papers to Jim used

- Purchase reagents - Previous P.O. front.w.

Tom Broker UNIV. ALABAMA] need email TO JIM  
Papilloma Virus specialist

D. Office - conference call TO Doug - Madison and Peter Dutton

30 NOV. 96 SAT. GMB, A.A., T.W., J. Casey, - Casey from Oct 96  
2 Boat dive AOL (no time, 1 & 2 to Reg.)  
few others seen. Svorhal, Patch Reef. KBA

12/2/96 Monday Doug  
Tel. conference call Madison FOP?

First 3 items on Thieny's list. 1-7K technicians Time

- 1) Passage 10 cell lines, then RT test again.
- 2) Funding RT etc.
- 3) ISOLATE samples w/ high #1/K

74

11/27/96 Liz ToGuichi - web site in Hawaiian Immersion Program  
Turtle photos from Brochure

11/29 via Scott & Carla Docyca  
& Carla Dorothy Sneider 637-6406  
68-415 Crozier Drive

Large tumored turtle seen 100' off shore

[44] From: Shawn Murakawa 10/28/96 1:04PM (1267 bytes: 1 ln)  
To: George Balazs, Denise Ellis  
Subject: Phone call

Rec'd  
+  
Rec'd

E.I.  
Green  
Sand  
Beach  
Big Is.

----- Message Contents -----  
Received a call from Trini Ballesteros, P.O. Box 184, Naalehu, HI 96772, 808-929-9269. She said that yesterday afternoon, around 2:00pm, she found 1 weak hatchling and 1 dead hatchling (missing its head) at the South Point area between Green Sand Beach and Kaaluwalu Beach. She found it in the high tide line with lots of debris that washed up. She put the live hatchling in a tide pool. It was later taken out by the waves. She said she brushed away the sand in the area that the hatchlings were found, but didn't see anything else. She wanted to let someone know and called us. She said hat the hatchling was light brown (possibly hawkbill?). She might go back to the area some time this week. I asked her to check the area again and note any other hatchlings she finds. I will call her back next Monday to see if she found anything else. Could you please mail her some literature? Thanks!

Called 11-696/ having chance to check it out due to heavy rains  
Will call again next week. Dr said they should be  
some sometime this week

[50] From: Denise Ellis 11/12/96 2:41PM (1426 bytes: 1 ln)  
To: George Balazs  
cc: Shawn Murakawa  
Subject: rec. diving turtle sightings

TT

rec'd  
T.D.P.S

----- Message Contents -----  
Hanauma Bay, 11/9/96. Four turtles. Most resting on coral, 2nd patch reef (along telephone cable) in middle of bay. 1 - 2 1/2 ft in size had small tumor (large #1) on upper lid of left eye, no tags seen. 2 small 1 1/2 to 2 foot, 1 was resting on coral, the other swam off, no tags or tumors seen. 4th turtle 2 foot+, RFL H512 (I asked Shawn if this was Nugget and she said yes. It sure acted like Nugget), no tumors. Only read the RFL, but had other tags. basically came around about 3 or 4 times during the dive. Would go to each diver (3 of us) and "harrass". I read tag 1st time, 2nd time I saw Nugget coming in so I turned and face it, Nugget stopped about 1 inch in front of my face plate and we watched each other for a minute or so. Last contact was as we were leaving the patch reef to go in, I felt a tugging on my fins and turned around to see Nugget there. A nice show for the visitor we were taking out that day.

11/11/96, Magic Island. 1 - 2 1/2 footer cruising and looking for food. No tumors or tags.

Author: Alonso Aguirre at -NMFS-HONO Redund  
Date: 11/22/96 12:44 PM  
Priority: Normal  
TO: George Balazs, Shawn Murakawa, Denise Ellis  
Subject: turtle necropsies

8/  
A brief report on necropsies from 10 previously frozen turtles at Annex 2 on 20 November 1996. Most turtles were in advanced or severe stages of decomposition so tissues were not usable for histopathology. Black trematode spots in GIT of three turtles were abundant along small intestine. An interesting case, and possibly the least decomposed turtle, presented a bloody firm mass of about 10x8 cm originating at the fore stomach, composed of multiple layers of endothelial tissue. Looked at first as an inflammatory reaction with a fibrotic center, but no primary cause was determined. It resembled a tumor, hematoma/hemangiosarcoma. Further histopath will tell us more about it. Primary cause of death excepting for this case and a tangled turtle, appeared to be FP. Thank you.

Need  
TO  
Submit  
K Bay + tissue  
TO TOM  
Lypscomb

# Back messages

75

[57] From: Shawn Murakawa 9/27/96 6:20AM (2819 bytes: 39 ln)  
To: George Balazs  
cc: Denise Ellis  
Subject: Re: Scott Bloom

----- Forwarded with Changes -----  
From: George Balazs 9/26/96 11:13PM (1883 bytes: 26 ln)  
To: Shawn Murakawa  
cc: Denise Ellis  
Subject: Re: Scott Bloom

----- Message Contents -----  
I'm sorry I should have made it a little clearer. Scott received the call from DOCARE, but I don't think he had to go out and respond. I talked with the person who called it in and he released the turtle himself. Richard Schultz found the net washed ashore and saw the entangled turtle and released it then. I think he just called it in after because he was worried about the net and the dead fish. Mr. Schultz had called all around to get someone to remove the net, but apparently wasn't lucky to find someone. He even called either the Mayor's or the Governor's office. Hope this clears it up.

Did a DOCARE officer go out there? This is important because in cases that involve law enforcement aspect we want to be certain that SSG realizes importance of DOCARE for NMFS also responding at the same time. My reason is that things like this can potentially be explosive situation. For example, SSG is out at the net. SSG has to cut turtle loose- i.e. cut net. Angry person arrives and sees SSG cutting his/her net. Rage could follow. I've experienced it first hand. Fact is, also, SSG shouldn't be going in the water to cut turtle loose. That's against contract specs (correct?). However, nothing needs to be said about that aspect to Scott because I fully realize he was being an extremely good samaritan. And there's probably wasn't any other option for setting free/saving the turtle.

PS Sometime I'll tell you two the story of how I almost drowned at Punaluu in the middle of the night with myself and a large turtle both tangled in a net (in this case a turtle net). Geo.

Scott left a message from last night stating that he got a call from Scott at DOCARE regarding a large fish net at Kahala Beach 500 yards to the right near the inlet. The original caller was Rich Schultz, 732-3969. It was a large fish net about 50 to 100 yards long about 3 feet high. The net contained a lot of dead fish and a live turtle. The turtle had no tags or tumors that he could see. He released it and it swam away vigorously. Contact has been calling around to have someone pick up the net to discard it.

Date: Sat, 23 Nov 1996 14:54:19 -0500  
From: Dscuby@aol.com  
To: gbalazs@honlab.nmfs.hawaii.edu  
Cc: Shawn.Murakawa@noaa.gov  
Subject: Haleiwa turtle - stranding from Denise

Got a call 11-22-96 around 3:45 pm from Mike Silbernagle of USFWS about sick turtle in Haleiwa Boat Harbor (Also got call from Carla at DOCARE w/ same msg at 3:30 pm, her report was from Laurie of HPD Dispatch). Mike volunteered to check the situation as their office is in Haleiwa. He called when he got down to the Harbor, he sited 1 small turtle (1 1/2 ft), heavily tumored (front flippers, neck, jaw hinges) on some rocks in shallow water (in secondary harbor right behind the Chart house). This turtle took off rapidly when approached.

He then sited another heavily tumored turtle. #4's on the neck and flippers, left eye covered with a tumor, right eye tumored, lg. tumor on mouth. VERY large turtle, 2 1/2 ft in length, estimated 150-200 lbs.

Fishing line or net entangled around right front flipper. From his account very lethargic, moving very weakly. I paged Scott Bloom. He returned my call at 5:00 pm. I asked him to go out and assess whether the turtle could be retrieved or not. Scott went out 11-23-96, 8:00 am to assess. He called me at 8:30 with the report that he thought it was dead, was planning to take measurements, tag and have someone call C&C for disposal. He called again at 8:40 to inform me that while taking measurements the turtle took off (ie not dead but ALIVE). Turtle was 88 cm CCL, near a steep embankment, Scott did not think that two people would be able to retrieve it from where it was, but thinks we'll probably be getting more calls on this one. Scott is pretty sure this is the same turtle that has been sited in the harbor off and on for the last 6 months. George- if you get this before you leave to Mexico, please advise on what you'd like us to do if we get another call.. Should we try to retrieve?? Thanks.. Denise

1078

78 Tel call  
Doug continued  
INDIG office

# 2.0K reagents T.W.

Need email  
Abrecht

Monday

12/2/96 Select samples for inoculation following RT test  
of passage 10. Panel of 3 gradients (graph).  
Virus beat up after Jim's tests.  
Looking for highest quality virus.  
Looking for most probable isolate for Transmission  
of cell lines (cultures).

DIED SKULL  
"WMS #1"  
BRASS PLATE  
GIVEN TO  
Jim Casey

Same inoculum - Jim will save <sup>some</sup> at his end  
for cloning efforts.

FWS pending #11K decision.

cytoplasmic changes  
Teleconference w Dutton

Jim Casey - need EMAIL TO EACH

PCR protocols for virus  
pulled out of "Exogenous virus" - Jim  
all other fish - endogenous.  
Epidemiology by PCR.

15 years ago  
Wes Brown - start of  
DNA

papers  
① Pert (extremely sensitive)  
② RT - confirms #1 gives level - quantification  
③ sedi. / Metal / Temp. H117  
④ EM  
⑤ SDS Page  
3 only samples run from necropsy.

Photos from  
BAND  
80-128  
NAWD

[Levels of Enzyme]

1&2 been around for decades

NO RNA viruses that causes tumors,  
ALL DNA viruses cause tumors,  
Singularly - not good, together - excellent.

12/3/96

12/4/96

< 8  
4  
Folk  
Nuc  
TM  
Jes



Need email  
Albrecht

<http://www.turtles.org/changes/gtftpab.htm>  
<http://www.turtles.org>

Dr. Teri Rowles DVM F/PR

[54] From: Shawn Murakawa 11/29/96 2:07PM (784 bytes: 1 ln)  
To: George Balazs, Denise Ellis  
Subject: Phone calls

----- Message Contents -----

1) Norie called to let us know that she received a call from DOCARE yesterday regarding a dead turtle floating 75 yards offshore of Kahala Beach. It was reported by the lifeguard at Waiialae Beach Park. She explained our policy about going in the water. She said that she told him to call back if the turtle is washed ashore.

2) Van from Maui called to let us know that Dept. of Public Works recovered a dead turtle today. She said that she will be writing up a short memo on this.

Author: Shawn Murakawa at -NMFS-HONO  
Date: 11/29/96 2:07 PM  
Priority: Normal  
TO: George Balazs, Denise Ellis  
Subject: Phone calls

1) Norie called to let us know that she received a call from DOCARE yesterday regarding a dead turtle floating 75 yards offshore of Kahala Beach. It was reported by the lifeguard at Waiialae Beach Park. She explained our policy about going in the water. She said that she told him to call back if the turtle is washed ashore.

2) Van from Maui called to let us know that Dept. of Public Works recovered a dead turtle today. She said that she will be writing up a short memo on this.

12/3/96 2 dried skulls sent to Mike Salmon  
10.8 cm 11.2 cm Head width  
CISL unknown

Characteristic - # AAROS need - large knit bag  
Hood - 35 snorkel  
Polardeq - 18850 484-5051

Fedex 880-764-7435

12/4/96 To MARC Rice HPA Onset slow-away 1409 & 71054  
Programmed at 6 min. interval (35 days)  
+2-MK5 TDR's #96-371 & #96-367

< 8 weeks walleye - tumor invade  
4°C vs 22°C | walleye - non-malignant, benign, metastasize

lake is artificial - a large hatchery  
Nucleic Acid probe  
TMR Regression  
Crowded Fish

less than 2 1/2 years - NO disease, > 2 1/2 sexually mature  
Rub with one another

Growth rates and incidence of fibropapillomatosis in Hawaiian green turtles utilizing coastal foraging pastures at Palaau, Molokai  
RESIDENT TO (RESIDING IN)  
by George H. Balazs, William Puleloa, Edwin Medeiros and Shawn K.K. Murakawa

Differences in flipper size and esophagus morphology of immature green turtles from Hawaii and Florida

by George H. Balazs, Shawn K.K. Murakawa and Jeanette Wyneken

BW  
737-  
0996

Author: Alonso Aguirre at -NMFS-HONO  
Date: 12/11/96 10:12 AM  
Priority: Normal  
TO: George Balazs, Denise Ellis, Shawn Murakawa  
Subject: Turtle necropsies

This is a brief summary on necropsies performed 10 December 1996, on six green turtles: Most were in advanced stages of decomposition excepting for the one euthanized by B. Morris a day earlier. This last turtle was extremely emaciated, presenting sunken plastron, and serous atrophy of adipose tissue. The primary cause of death was a fibropapilloma in glottal region obstructing basic feeding and possibly breathing processes. Two more turtles were diagnosed with fibropapillomas as the primary cause of death obstructing vision. Carapaces were muddy, soft & easy to peel in two cases, and one turtle practically covered with barnacles (possible inactive for a long time). No internal tumors were observed in any of the turtles examined. A small turtle with no external evident lesions had a enlarged spleen. No other significant lesions were observed. Endocarditis related to trematodes was observed in one, although the primary cause of death was unknown. Another turtle died by entanglement in a long fishery line obstructing front flippers and neck. No tissues were collected for histopathologic evaluation due to the advanced state of decomposition of these turtles.

VES  
4 -  
8  
SAT  
PAPERS TO  
5-7  
Received by  
R. Morris sat. 12/17/96  
SSG  
SSG  
#12/9/96 EU

Hawaiian Air 8381555  
# 934 RT > 7 days  
Now #629 RT pay in 7 days

# Annex. = 532-2888  
640.00  
Bans UA44 515PM -> 1131AM occando  
8MME UA491 8AM -> 1025AM LF

12/18 Telson  
Rene  
Hotel nights 4th, 5th, 6th, 7th, 8th out sat #89 per night x 1190  
Comp. No. 034B AL43 NO smoke - king size.  
Delta Orlando Resort = (407) 351-3340  
Ext. 1792 800-634-4763

(\*) Beth Honda = 944-7801 Reservation Coordinator  
EWC Lodging - Lincoln Hall Bathroom > private  
Hale Manoa - shared Bathrooms

(12/23) EU 12-22-96 IDT. work D. Ellis  
Necropsy (Magic IS. - Alhwa Caval)  
SCL = 56.0 32.6 lbs PLASMA  
CAGL  
#12469

A.C.T. =

Inquire  
Tuch  
MAPP  
ME  
[46]  
To:  
Subj  
see  
12  
BAE  
12/10  
12/20  
12/30  
12/10

INQUIRE - Denise  
J. Nichols  
mapping  
method

CHUPACABRAS  
~~http://www.ofomay.com~~  
106151,1150@compuserve.com  
~~http://www.cccturtle.org~~

need  
Polly  
Pasi  
Bowers  
Cove  
Herbert tested for retro  
in inoculant?  
Amamoto DVM 79

7-15 December 96

TAHITI II

Tahiti, Borabora  
Tupai

12/14 #24180  
Dead on the 18th  
NO

TARAVAO  
but then more signals  
SPORADICALLY came  
in

Author: Denise Ellis at -NMES-HONO  
Date: 12/12/96 7:41 AM  
Priority: Normal  
TO: George Balazs, Shawn Murakawa  
Subject: Another live turtle

12/12/96  
PLASMA  
& RBC

Stranded (or basking) at Kawailoa Beach, Haleiwa. Found on shore by Rabi Pawa, 637-4832, 61-363 Kam Hwy. Contact thought they had seen turtle in area before. Tumored, no tags. 52 cm SCL. Taken to Dr. Morris, blood taken (PCV = 20, TP = 3.2). Very feisty and robust. Adult leeches and egg patches. Tumors on both eyes (#1's and #2's) limited vision (~10-20%), small tumors on neck and LFF and 1 flat #2 on/near glottis. Dr. Morris wanted to hold for the possibility of treatment. Took to KRF put in fresh water for the night. Turtle actively circling tank.

[46] From: Shawn Murakawa 12/13/96 9:57AM (1708 bytes: 1 ln)  
To: George Balazs  
Subject: Messages

Message Contents  
1) P/u turtle from Harriet Eisner. She reported that she's been seeing turtles all day long right past the close reef. She would also like you to give her a call. (We noticed that there was a for sale sign in front of their yard... she's moving???)

293-5859

need \*

2) Received a call from Iris Koga (no relation to me). She was calling on behalf of her son who's a 6th grader. He's doing a project on sea turtles and would like to know the dates and locations of all our strandings for the past 5 years (she originally wanted sightings, but I told her that we don't usually get that much and that our main focus was on strandings). I told her that I would pass along the request to you and that I would call her back. She said that she and her son are willing to look through our records to gather the data (I explained to her that there are about 200 strandings every years). She said that her son would be plotting the location and dates on a map for his project. Her address and phone # are 3186 Poelua Place, Manoa, HI 96822, 591-7015 (work).

student  
AARON  
12/19/96  
Supplied  
1994 & 1995  
strand  
reports.

see p. 79 Makai - Bob Morris 1/9-'10/97 second surgery  
12/18/97 Surgery to remove glottal and eye tumors 12/12 Kawailoa STRAND  
(Back to Kowalew)

12/96 - Reviewed Lopezhead F. Papi article for NABWS  
12/24 AAATW & DME & SKRM meeting with Ric Yanagihara re coop work

12/30/96 Michael Lusk - 541-3441 FDM CNMT  
Section 7 BO

1/2/97 Fedexed 17 immature Tern greens & 12-11-96 TUPAI SOECL  
newsbill samples to Peter Dutton.

80  
May 17th  
Graduation

FASCA = 800-433-3243

"B173  
ZIMMER Skimmer  
"F5U"

- <http://www.ballyslv.com>
- <http://www.nynyhotelcasino.com>
- [www.monte-carlo.com](http://www.monte-carlo.com)
- [www.LADY-LOCK.COM/LADYLOCK](http://www.LADY-LOCK.COM/LADYLOCK)
- [www.GAMBLENET.COM/](http://www.GAMBLENET.COM/)
- [www.CAESARS.COM](http://www.CAESARS.COM)
- <http://www.solar.ifa.hawaii.edu/tropical/tropical/html>

Telecom TATIANA CRISTON  
724 KAAHAI ST.  
KAILUA 96734

student doing  
report on turtles

1/2/97  
Sent

Dr. Telecom 1/3/96  
1/3/97 Kailua - 732-7702 - Turned over to Akens  
Picyangiana Project - COLATERAL cell culture

Subject: Re: Phone call  
Author: George Balazs  
Date: 1/3/97 9:54 AM

Did you speak to her?

Sent FYI... a visitor called to report seeing 3 turtles right offshore Sans Souci Beach. She said that the biggest one was 1-1/2 to 2 feet long and the other two were smaller. They were swimming. She called the Waikiki Aquarium who told her to call us. Her name is Elizabeth Martinson, 2877 Kalakaua Ave., Honolulu, 96815, 923-6955.

I won't be entering it in TDPS. <sup>from</sup> balcony

1/3/97 Nitha - LL logbook Report - Vietnam Capt. "subsequently Capt. Sara Greens"  
Friday LATE Oct 96 4-7 days fishing - 35°N 7sets - 23 "hawkbills"

[Hilite = FWSSect 7, SAT. Tel Renew, MTRP Ewan Hawkbehl, CRYPID SPOT, LL MS, STEADY]

1/7/97 Scott HIGA - Senior Mililani High.  
TUES. Career Shadow project  
Susan Yamamoto  
95-1200 MEHEULA Parkway  
MILILANI TOWN, HI 96789

1/6/96 visit to office

Therese Hayes 487-7018 (home)

(Rod Dashwood DEPT ENV. BIOCHEM 956 2010)

Telecon - John Stinson

956-3946

SEA GRANT Project

Cindy Hunter - Botany Coral Tumors

Bob Bourke = 531-3017 [call Maui "informants"]  
AIRPORT Beach nesting

1/10/97 Telecon George B. \_\_\_\_\_  
Dolphin Quest 879-5409

Report of a turtle in Hilton lagoon - same place  
for 24 hours - notes seen, 885-1234 CRT  
1505

- 293-5859 Harriet Eisner Kawela Bay

- Debbie Miller - Maui 879-5409

1/11/97 Susan at lab - answered phone at lab  
SATURDAY 10:40am "587-0077" "61-655 Kam Hwy"

Jan. 16, 97 - Meeting w/ Cindy Hunter, regarding  
"Coral Tumor" coral tumors - Sea Grant Project

14 JAN TUES.

150 PM

FL 252 15 JAN wed.  
325 PM  
FL 271

AMER 532-1888

AVIS #

14-15 JAN 97 KIHULO #26

24 captures - 22 old, 2 new. Downloaded SON 447B TDR MKS.  
couldn't locate SON 465 TDR MKS

23 JAN FL. 248 Depart 125 PM

NATIONALAC #31

24 JAN FL. 75 505 PM

" 77 528 PM

AVIS = 800 321 3312

23-24 JAN 97 PUNALUU #33

18 captures (46 recap. 2 new)  
Include TDR 96366 capture & download  
SON 259 [deploy 11/15/96]

1/16/97 Tagged "double-surgery" strand 12/12/96  
see p. 79  
RFL 11298 + PIT  
\*Release this date N. Shore. Also  
blood taken for banking this date

1/17 Danna O'Daniel meeting in my office

1/17 Telecan Vanessa Keliiohokai Sealife Park  
SLP education 259-6476  
10 Scutes+

Given on Log 10 Demo tags 681 tags given to SLP  
Education: I 623, ♀ 526, I 649,  
I 648, 603-E I-650 605-E, I-496  
604E-606-E

Friday

1/17 Patricia Andratti - Hilton Waikoloa  
885-1234 EXT. 2465

★ Need - Recapture there.

EDUCATIONAL MATERIAL

U.S. ...  
Acc  
10 JA  
Ed  
SUE  
AVIL  
KELINSON  
836  
4169  
ATA  
72  
75  
1/28/97

U.S. Post Office 888-275-8777  
Fedex (901) 9221666 MAZMAT  
IATA-DOT Pub 52 Oct. 96 KATHY Betty # 83 4009

(Accept Haz, Restricted, or Perishable Materials)

MAILABLE Liquid cat litter - absorbable material  
> 32 oz in water proof material - trash bags  
"Domestic Mail Manual"

Packaging section C/P 1/P 2/P  
Marking - contains liquid

10 JAN 97 UN → " " STUFF  
Friday 49 CFR - "Dangerous goods" = people, humans  
SUE ANN ROBINSON IATA = take UN Regs and make equipment  
836-4169 them tighter. Always right to refuse.  
ORIENTATION labels

\* training - every 2 years Fedex; 3 years post office  
UN 01219 Isopropyl Alcohol

Need - Name of company that can provide bits.

\* Formaldehyde Solution = UN 1198 FLAMABLE

\* not less than 25% UN 2209

UN less than 25% = not dangerous goods

new? FAA inspections TRAINING on dangerous goods

836-1055 → TONY TEPADINO → FAA

Announcement about "new" Dangerous Goods "FAA Inspections"

\* Dennis - dirt ship back w/ gov. label

- ① Excepted Quantities " "
- ② Limited Quantities = Y prefix packing No.

IATA 11 A VIABLE ~~pathogen~~ pathogen which causes disease in animals and humans. 11  
p. 72 75

1/28/97 2 - TAKS TSPs to Marc Rice  
96-368 & 96-369

84

SAT. TRANS

- 1 KIT A ST10 24181 <sup>deployed</sup> (1/24/97)
- 2 B ST10 - 24184
- 3 C ST10 24183

4oz = 118mL  
 3oz = ~90mL  
 1.3 cm in  
 (PAGE  
 COP)

1/13/97  
 Monday Logline observer Training 12:30 - 3:30pm  
 7 people

- |   |             |      |                  |           |                                |
|---|-------------|------|------------------|-----------|--------------------------------|
| 4 | <u>KITS</u> | ST10 | 19580            | (1/24/97) | TO Tom Shearer                 |
| 5 | D           |      | 19581            |           | 1/18/97                        |
| 6 | E           |      | 19582            |           |                                |
| 7 | F           |      | 19583            |           |                                |
| 8 | G           |      | <del>19584</del> | should be | (19585)                        |
| 9 | H           |      | 19584            |           | (1/30/1984)<br>still in office |
|   | I           |      |                  |           |                                |
- IMPACT as of  
 \$1073.50 1/22/97
- KIT "I"  
 1/30/97 TO Tom Shearer

28 JAN 97 Observer Training Program - Sat. Attachment  
 Tues 9AM - TRAINING

1/28 <sup>sent</sup> Telecan Steven Ayala 459 Kailua Rd  
 261-7163 96734  
 re: Lanikai Boat Camp. Turtles regularly  
 hooked by pole and line fishermen.



4/18/97  
Perom letter  
Set from Grad. School  
Tim Clark  
w/ stereofors  
Lieu Chan = <http://www.upmt.edu.my/85>  
Seatru/  
<http://www.serve.com/charg>

[www.angelfire.com/midway/](http://www.angelfire.com/midway/) = Midway <sup>is</sup> homepage  
[www.midwayst.com](http://www.midwayst.com) = sport fishing Co.  
<http://www.cccturtle.org> (info on Archielan)  
MAvi.net ~ [mavinews/news.html](http://www.mavinews/news.html)

1/21/97 \* Cindy - Found Bones 456-0756 message on Recorder

Honda Motors Honda = 1-503-256-0943 Honda window 235-7566  
"zone office"

Hite Student Symp. papers  
calcul MS  
TDR2  
P. 11  
Blood notes  
TRAINING

call him need UAE TRIP <sup>post</sup> Chantier Lowe Foreign Travel  
State Dept Hollis Summers  
(202) 647-2337  
follow up call him 3/3/97 (202) 736-7350 - FAX

[23] From: Shawn Murakawa 1/23/97 6:38AM (605 bytes: 1 ln)  
To: George Balazs, Denise Ellis  
Subject: Scott (SSG)

----- Message Contents -----  
He said that he will be here to assist us with the necropsies on Friday.

On a side note, he said that he went diving at Lanai Lookout this past Saturday and saw a hawksbill turtle laying on the bottom about 100 yards offshore. He said that a Mike Conley saw it a while ago on a night dive, also. He just wanted to let you know.

[18] From: Denise Ellis 1/17/97 4:37PM (827 bytes: 1 ln)  
To: George Balazs, Shawn Murakawa  
Subject: turtle in Hauula

----- Message Contents -----  
Ronnie Huffy (ph: 293-0331) didn't want to give address. Reported turtle stuck in river behind their house near Pokiwai Pl. Went to check out area 1-16-97. River is 100-200' long in an L-shape and about 20-30' wide, unknown depth, murky and ask contact put it 'polluted'... Observed area (on 2 ends of river) for 10 minutes each side. No turtle was seen. Probably not possible to retrieve turtle unless it comes on shore. Will contact Ms. Huffy to let her know and to ask her for better discription of turtle, if she sees it again.

[20] From: Shawn Murakawa 1/21/97 6:49AM (1538 bytes: 1 ln)  
To: George Balazs, Denise Ellis  
Subject: Phone recorder messages

pedure

----- Message Contents -----

1) Nancy Murphy, Haleiwa Boat Harbor, called I think on Saturday. She wanted to report a small dead turtle still in the water but tied securely by Nancy. She said that she called DOCARE and that they said to call Dead Animal Disposal. Nancy wanted to notify us to see if we wanted to look at it before disposing of it. She said that it had tumors and the left flipper was missing. Her cellular phone is 722-1272 and she was going to Keehi 832-3464.

2) Norie called on Saturday to report that she picked up a dead turtle from KMCAS. It was tagged 11296 (I'll confirm it later this morning). It was retrieved by Game Warden Mango and it was barely alive when found. When Norie got there the turtle had died. It had numerous tumors. It's now in A2 freezer. 7/8/96 ~~confirmed. Per Kathy - released 7/12/96 KBM~~

3) Scott called on Sunday to report that they picked up a dead turtle from Hickam Harbor. It was found near their dock by building 3544. It was moderate decomposition, had tumors, and CCL=56cm. It's now in A2 freezer.

It's weird that DOCARE forwarded the last two calls but didn't for the first one. How should we handle?

Need TO CONTACT FOR ~~KEY~~ TRIP. 2/11 TUES?

1/31/97  
visited  
office

Joyce Fender  
(817) 577-9344

- coconut Island - Hale Onaka  
email - JFender @ southampton.  
liunet.edu  
JStimson@zoogate.zoo.hawaii.edu

1/31/97 Chuck Monet  
Telecon regarding tumored male at  
Term - need AA briefing.

JBA MEETINGS

- 1.) 8/88 1/2 day meeting
- 2.) 11/90 NAGASAKI
- 3.) 3/92 NAGOYA
- 4.) 3/93 Tokyo
- 5.) 3/94 Tokyo
- 6.) 3/95 Tokyo
- 7.) 2/97 BALI

Following HIWAZA meeting - Himeji?

JANAETA  
GARUDA International Flights = 550-6085  
Indonesia 70068001 +  
ATT \*7001080110 +

Didn't work!  
622-167-5679  
0080000152760878

STIPPED  
TA  
SAT 2  
1 FEB 97  
" "  
2 FEB  
SUN  
3 FEB 97  
2. N  
3. S  
P  
C  
- K  
L  
M  
3

SHIPPED

SLP mortality 1/10 Necropsy by T. work =  
TAGS NNW775 and 2982 - Skull to Ken Lehman 1/31/97  
Fedex # 1012660972

87

SAT 24M GARUDA FZ 800 TO BCI 12 hours nonstop MD-1011  
1 FEB 97 <sup>INDONESIA</sup> Arrive - 8AM 2 FEB, Sunday

8 FEB 97 | "INTERNATIONAL WORKSHOP ON THE MANAGEMENT OF MARINE TURTLES '97"  
KUL-KUL

2 FEB 97 Walked KUTA Beach - Bemo to Denpasar <sup>Funeral</sup>

SUN Mitsuji Miyamoto opening address - <sup>Bōonki Nakataga</sup>  
"they were driven to poverty" NOT Here

3 FEB 97 Monday "Need Economic study of prices paid to fishermen (not middlemen) in various countries"

1. Need - Neca MTCG w/ formal membership of puppa
2. Send background paper of this meeting to <sup>Neca</sup>

purpose of meeting - exchange opinions on Cuban proposal for downlisting.

"I.W.M.C." International Wildlife Management Consortium  
Kareko - "not perfect - but 90%"  
Chair - Hughes  
Co-Chair - Jenkins  
Re: 10 Recommendations of 1995

- note no Cuban biological researchers present

Limpus - N. Australia study 1<sup>st</sup> of five years <sup>\$80K year</sup>

- drilling holes - marking system

"idea of developmental migratory is still an open question"

from C. J. Need Chaloupeka and Limpus (in press) Robust statistical modelling of hawksbill sea turtle growth rates Mar. Ecol. Prog. Series  
"one growth ring per year" drilled. SEA water variation?  
Newly recruited hawksbill have all wings - no rubbing  
30cm = 5-6 years.

3 FEB 97  
Monday

NECA

OVERALL Question of credibility -  
Review of proposal to operate  
premises made/help; information shared of

JBA meetings (w/ considerable MTSG present,  
Kamezaki - forging handicrafts YAYAM A  
Islands - fishermen catch them. Applied. TO  
Head on slide of nesting handicraft together most about

Repeat  
need \*

JBA  
McAfee  
Lunch

Samples for DNA

QUESTION - Will 2 Proceedings be done?  
Group photo.

Webb - Comparisons between sea turtles  
and crocodiles. P. Ross provides Webb with 2 good papers  
TO discredit

Elvir Carrillo <sup>col each area</sup>  
500 turtle > 64cm 2km 2 sites

A test case - Cuba JBA elsewhere, etc.

My comment  
If 10% of past is sustainable, then  
100% likely present, so why allow  
stockpiled from that era to be sold

7 tons to Japan from Cuba each year <sup>in the</sup> past  
500 = 500 <sup>ky?</sup>

Charlie Marshall's - Growth rates  
Food - Genetic differences, temperature  
Current patterns affect temperature

Webb - "5000 year from one country - something is wrong"  
Cuba

0.005% of available habitat (2sq.km) x 2

Letter to  
newspaper  
You're buying into  
Post. Please  
"You're buying into  
Post. Please"  
Newspaper  
Korow 15  
Korow

3000  
need  
4 Feb  
500  
need  
VE

Shaw No. of new necrosed by size class, Tumors vs non-tumors  
Need proposal by MATE/FEMALE since last summary 89  
USE

IN Hawaii = J  
COLUMBIAN J  
NOTE for MTN to Guban platform, now it doesn't matter?  
BAC consideration

"BALI" / Fisheries office? expertise? UNW. setting?

Grand rules changing? "population specific"

Seal Scutes into plastic bags.

Need - Hawaiian hawksbills - month leaving 1995 vs 96  
Circulation patterns around the Big Is.

4 FEB 97 DAY TWO  
TUES.

Highest priority :- Nesting numbers  
- JNA  
- Migrations - satellite

Carnello -  
"clear & transparent" proposal

- Botello
- PANAMA - ANALYZE 3 parts
  - 1) Stock already has (Behko)
  - 2) tradition capture
  - 3) RANCHING

PHOTO REHANA  
RESOR KUL KUL  
JI. PANTAI KUTA  
P.O. BOX 3097  
DENPASAR  
80030 BALI  
INDONESIA  
FAX 62 021 634  
1470

NAMIBIA

M. LINDEQUE - NAMIBIA -  
"who owns / who gets benefits - when fishermen  
turtles, etc." UP TO 1990

Webb - 5,000 years - never know if sustainable  
or not

500 is "Purely an adaptive management approach"

Need Genetics of nesting beaches.

VEMCO TDR's - Limpus

90 KUTA  
BALI

Hughes

Strengths & weaknesses - Japan invited  
to Cospon

4 FEB 97  
TUES.

- ① Strong cultural
- ② Strong economic
- ③ Monetary

proposal was  
"undescriptive"  
of some  
samplings, but  
no results.

- DNA Sample nesting beach females.  
Before Graham / after Graham Mexico  
Re-evaluation as olive ridley vary  
it from structure. Protected 1990.  
Copyback happened.

Jenkins - Webb - LaPointe + Karcho + JBA + Cuba

Hypothesis - wild cards G.H. / N.M.  
Cuba is separate

N.M. = 20 years taking 5000 subadults / adults  
Now very positive to be interested in ranching.

Nick  
went to  
Cuba  
out. 95  
%

What is best for conservation of turtles in  
Cuba. Answer = Ranching. Cites

Monitored program.  
N.M. - described "great" difficulties of wanting

N.M. Cuban islets  
Bowen work DNA "overinterpreted" "not  
mixing at Moya - while not related to Moya nesty  
there is similarities to nearby Virgin Islands.

Speculative vs  
Descriptive / informative

Limpus - "Animals Committee"

proposer have to deal with states on "take"  
like Mexico. The recoveries Cuba-Mex  
Ranch state consultations.

2/4/97  
6  
resid  
Nami  
G.H.  
PA  
Jung  
zero  
the many  
photo  
FINAL  
Cuba  
GRANA

TUES. KUTA, BAKI

Temple <sup>Tw</sup> Temple <sup>le</sup>  
PUR LUHU WATU <sup>91</sup>  
at Sarangan IS. Beroa

2/4/97

Kaweko - "only Japan gov. knows quantity of stockpile in Japan"

CHANGE IN VIEWPOINTS

Graham - "Levels of resolution" <sup>research</sup> <sup>Spence</sup>  
" Cuba - "moderate level of resolution" <sup>research</sup>  
" Goal posts moved "

40 Cuba nesting sample DHC lost Cites cert held up in Narita

Graham - "Cuba never contended they had a closed population" Felix paper never said that -- high degree residency of retention. Turtles came in and out in Cuba.

Namibia - until such a time that its shown how bad Cuba is ~~not~~ shared - no consultation with range states is needed

12:30 PM - 3 PM  
TAJUNG  
Beroa  
Trip  
M. Amy  
photos

G. Hughes - By reducing capture rate in Cuba, you are protecting turtles of / from surrounding countries. Tag those that would have been killed in higher take level. <sup>Limpos said thought they were already doing that.</sup>

Graham to me - "Can't find any record of the Cubans saying they have a closed population"

FINAL SESSIONS Recommendations  
urge Cuba - <sup>Convention</sup> Carsons, Mig, Species

GRANAM - two levels of information - one above the table, one under the table.

KOTA, BAC / Request will there be a Proceeding? JBB & IWMC Rapporteur Report

2/4/97 verify data assumed in TUSS. supporting hypothesis.

Because of meeting all the JBA attendees in the past.

Graham - "its as much our (JBA meeting) proposal as it is Cubas" "Namibia - Lindeque, M. stress conservation as well as "Community" benefits.

Hank J. - Submit a "supplemental (explanatory) document."

Graham - pressing for a vote on technical point of view on proposal.

Rene - Financial returns needed by a country when money spent on research.

G. Hughes - JBA should make available stockpile amount.

- EMPATHY For proposal, see positive side
- Same research addressed.

HANK one of purposes of meeting was to have Cuba benefit from technical input.

Hughes \* Consequences of acceptance and rejection of proposal.

JAKARTA

one hour flight "AIRBUS"

2/4/97 7:25 am GAARD to JAKARTA (one hour behind Baci) (one hour behind Hank) TO "City Hotel" JAKARTA US\$60 w/windown Jl. Medan Glodok JAKARTA. FAX (021) 631-7374

2/5 wed. 8:30 am Depart Marina on boat (3-200 hp)

SERIBU ISLANDS (YAMANTAS PRAMUKA) ISLAND PPHA-JBA Hawsbill hatchery rearing project. Kamezaki & Sugawara involved in this for JBA for several years.



2/5/97 <sup>Chinese reporter</sup> The JAMETA Post <sup>Ida Ind ANAN</sup> Mulhan Salwora - photographer Request copy of article 93  
 wed. Give need in cases

They saw ~~one~~ <sup>several</sup> ~~nest~~ <sup>islets</sup> ~~islet~~ <sup>islets</sup> ~~islet~~ <sup>islets</sup> But  
 2/6 ~~Hybrid~~ <sup>Hybrid</sup> Loggerhead green 6 years old 5-10 HYBRIDS  
 Thursday

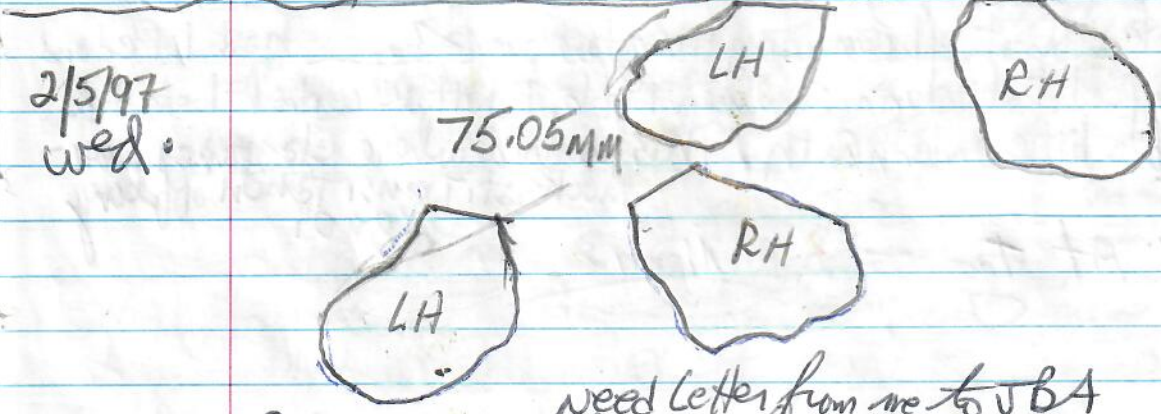
Breakfast ~~green~~ <sup>green</sup> Loggerhead / hawksbill Mention of *Practineogenesis*  
 at City Hotel - <sup>Name - Minda Michta / Aquadiving</sup> Cameroon - phd student Malaysia of Limpus, <sup>have zaki</sup>

2/7/97 JAMETA Post Article w/photo about trip to SERIBU ISLANDS  
Chelonia mydas 75.50 mm " islet where eggs are collected"  
 PETEROLAN TIMUR Island"  
 Need SCAN



Cuba - Are there checks and balances?  
 Can statements be trusted as fact w/o verification independent validation? Is there a history of credibility? Non-Gov. (Communist) Scientist in Cuba to reconfirm?

74.34 mm



Business class  
 depart 2/17/97 JAMETA  
 4pm Friday FZ 800  
 Geneva for Hong Kong. Arrive 9am  
 Flew over forests of Kalimantan

need letter from me to JBA  
 Recommendations by Limpus about Pramuka Hatchery  
 ① Create mound of sand so rain water can run off  
 ② raise individually to get down on biting and disease  
 ③ wait longer before bringing eggs to hatchery.

2/7 telecon evening w/ Shaun  
Harbor Master KK Bernard - MOHOKAI -  
11 AM Sick Turtle 27"

2:30pm 2/7 on rocks  
→ "going to have to decline shipping" - Bernard  
Friday

Trans Air a "Henry" will take C.C. for  
Shipping to Honolulu.

2/8 called Bill Puleloa - on call all weekend - can't be  
Sot. reached. wife said there was a message  
on Bill's recorder yesterday - from Harbor Master about  
a live turtle.

2/10/97 <sup>Need</sup> Charlotte Forbes 967-8211 <sup>Hawk Sat article</sup> <sup>Diane + Medic</sup> telecon

2/12/97 (SLP) blood sampling of adults in lagoon.  
AA, Bob Brown, Christie (vet student), Sonny. 7 greens +  
loghead & hawkbill bleed? Green cap plasma for myba  
+ <sup>RBC</sup> serum (red caps) for Lou Lu cell cultivation.

Sonny noted that all remaining fiberglass on ♂            had lifted  
he could easily feel it off during summer 1996. I felt <sup>and</sup> central - looks fine  
but is "soft" a little underneath. This is area where elastomer was  
Moch Sat Trans. Taken off long ago.

<sup>need</sup> X-ray Pit Tag - Bob Morris

Parks & C&C  
99-1257  
TAI ID  
Need card

YONAT & Thomas - MAYA DANIELLA GORGAS 95  
"Consequences" email to Neza et al,  
③ call KARLO N.P. LAURA SCHUSTER

② Report on Summary of INMC Symposium

Depart  
HONOLULU

wednesday 2/12/97  
ERWDA  
UNITED ARAB EMIRATES  
DA F184 1025pm to SF arrived 505am  
TO LONDON UA; EMIRATES TO DUBAI ARRIVE 0020 2/15 SAT

Met by Saif, Ali (an army major) + 1. Saif and I drove  
to ABU DHABI 1.5 hours. Slept 0400-0930 2/15 SAT

Worked on tagging chapter, Walked to A.D. 2/15 & 2/16 Sunday  
Hotel = Khalidia PALACE. Met with Saif in his office

Depart MONDAY w/ SAIF for RAS AL KH  
2/17/97 3 PM

Sissos, Alcohol, salt, small bags, MARK PEN. leather pouch.  
JUTTAH - ARABIAN GOLF

PAGER = 919 33133

DR. SAIF = 9 319-317 office ABU DHABI  
cellular = 050 6513513

Home = 9 354033

Khalidia Palace hotel / P.O. Box 40105 ARABIC  
ABU DHABI Sahah al-Kham

(971) 266 2470

Sabah - arnoor

- 4/16/97 SHEKH DIED (Cousin of President) =

Needs - UAE Reg. Meet

- punch for DNA, SALT Packets

- WID Glossy Report TO SAIF / Real estate literature

- More ARABIC Versions Global strategy

- Person to work UAE turtles w/ CARLOS HASBUN

- Call MAD / BAS / MAREECE

- Notice of Availability ARABIC Global Strategy - MTN

- DATA sheet / DNA KIT

- order tags

- First Sea turtle Tagged UAE?

hwan -  
GAT  
TURTLES?

WRITE  
BOX

ADDRESS

Residents NAME =

2/17 AFTERNOON

2/18

TUES

(971) 2

(808) 885-8204

Visited Fish market PM  
photos

"PAGONG"  
Seaturtle  
Filipino =  
Maolog -

35.5 hours  
TRAVEL TIME  
(12-24 FEB 97)  
DUBAI  
UAE

DIRHAM  
3.6 Dh =  
1 \$ US

HASBUN 1989  
MORE TIME 1 - TORTO GUERO - TAG  
BETWEEN 1-2ND SCALE?  
EMAIL NBT RE:  
LOADING APPLICATION R.

Resource DOC -  
Pavan  
J. Itenp.  
Hawthill  
w/ report  
proceeding we sea turtles

Peter Gunn  
Theme

need \* TAG MUST pierce to seal <sup>Tag USA each</sup> <sup>MINIMUM order</sup> 500 or 1000 TIPS

For tagging check

\* Two actions TO TAGGING - need practice <sup>HELPFUL</sup>

\* Don't try to fix a tag. Discard.

\* PAINT one side of pliers

\* piece finger w/ TAG with putting in applicator <sup>HAZARDS section</sup>

\* TAPE tags to strip, OR string onto something

\* Practice ON cardboard

Put <sup>actual</sup> dimensions of each tag after "size no." including stock brands dimensions of large & smaller TAGS. <sup>(use a spread tag)</sup>

2/18/97 RAK, BIN MASID Hotel, Ras Al Khaima <sup>First SEW observed</sup>  
TUES. App. - Watched fishermen bring in net - Many photos. Police bought fish - Surf cuttlefish, NO TURTLES, SAW

<sup>UAE</sup> Drive around RAK, PM: TO MOUNTAINS edge. STAFF'S HOME  
3 kinds of people. Berouin. city/coastal/mountain.

Went to RAK ASSOCIATION Museum - Pearl Diving  
Visited Fiberglass factory RAK. Making sewer pipes for ADU DHUBAI. Building a boat for Gulf.

Went to shopping place - "Food court" outside. Booths charge regularly. Had tea w/ Saif's friends Ali and SAIF (a Brown). went to his house under construction to get sampling gear.

2/19/97 ~9:30 AM went to point where Coast Guard building has helicopter. Took red inflatable w/ 25 HP along coastline toward hotel.  
(continued p. 98)

2/19/97  
Wed.

2/19 observed 11:30-12:30 1st Seine OBSERVED  
2nd Seine = 12:30-1:30pm NO TURTLES 97

1-D RFL  
2-D LFL

3 green turtles  
2 last  
3rd Seine  
at 1:45-2:45pm

1st seine catch tracked

P/ST/PL length  
61.5 cm  
TAIL  
Total 16.5 cm  
Cloaca 10.5 cm

Tracked Below  
(green released (immature))  
Estimated to be  
Immature female

curved carapace length  
CCL 81.5 cm

1  
CCW 72.5 cm

4th Seine observed  
in front of Hotel.  
Lots of Akule.  
UNKNOWN if turtles present

3D LFL photos  
4D RFL + close up 2 leeches in cloaca

2  
P 71.5 cm

T 44.5 cm  
C 33.5 cm

Adult Male

CCL 91.0  
CW - 85.0

DIDNT work right if TAG 5D used

3 Estimated - P/ST/PL 61.5 Photos  
TO be

6D LFL  
7D RFL

an immature female

CCL - 79.5  
CW - 71.0

TAIL Not taken  
Measurement

2/19/97 Glassy calm - shallow (2-3m?) Saw a green  
 Wednesday turtle surface. Slow, but didn't stay up  
 long. Didn't splash or spook by seeing us,  
 no sea grass seen on surface. Went ashore  
 at barrier island off shallow lagoon area. Saif  
 saw nesting here - (starts in March?).  
 Decomposing adult loggerhead washed up, photo.  
 sign of why dead. Meat not taken. Saif says  
 people take muscle of front flippers. Continued  
 along coastline. Saw two boats, large outboards,  
 pulling net over so slowly toward shore. Small dories  
 turn! - mesh ~ 2cm or 2.5cm. Went ashore and  
 watched. Lost (long) portion is pulled in by hand.  
 3 <sup>TRAPPED</sup> greens (see p. 97). First seine watched - no turtles.  
 Sample from small patches of <sup>TRAPPED</sup> sea grass seen  
 on the beach. Watched a 3rd (by myself) - helped pull it.  
 Two greens, watched a fourth (in front of hotel).  
 4:00pm Bck to the room to shower, for campout.

To camp site ~ 8pm. Grilled hhd & rice dinner. Carlos  
 Cold + lots of dew fell. They went out w/ Saif's net  
 ~ midnight. Pulled net to shore with vehicle, no fish,  
 turtles. ~ 8cm mesh

2/20/97 went out in fiberglass boat & inflatable. Saif  
 Thursday fishermen - no observed, as in following pages

- need - Hook, longlining catch turtles in Gulf? Oil Platform?
- Ask Jeff Miller about Tag recoveries - Penan also.
- Sea Grass imaging <sup>need</sup> Sandra lit. search
- Saif TMTS <sup>GNTN</sup> subscription
- Marion - establish contact about turtle genetics
- Date Shakes / other business ideas,
- Saif - Actor a book - talk; others transcribed & compose

\* need Videos

JAE 11/15h Barrier Island

Fishing Seine net

2/20/97

500M nets ~ 2cm Mesh

STURGES NO PPS

1DB

Thursday

20 VB

(1)

PLASTRON - 51cm

TAIL 11.5 9.0cm

CCL - 64.5 Deep cut-notches to

CW 55.5 left margin of

Carapace

9D Bad

8-D

RFL

10-D

LFL

PLASTRON - 47.0cm

2VB

TAIL - 10.5, 7.0,

CCL-60

Hump deformity to centrals

CW 53.5

11-D

RFL

12-D

RFL

PL - 63.5

5VB

TAIL 14.5, 10

CCL - 79.0

CW - 72.0

17-D RFL

18-D LFL

NOT used - BAD 02 & proctus  
13-D TO 16D 19D

(4)

Plastron - 49

Tail 9, 5.5

CCL 62

CW 55

19-D RFL DESTROYED

20-D RFL

21-D LFL

Continued next page

2nd second seine turtles tagged

Plastron not marked

100 VAE Videoed 2nd seine observed  
Thursday 20/02/97

~~6 Twites~~

① 2<sup>nd</sup> seine observed 2/20/97  
PL- 79.0  
TAIL 26, 17.5

From previous page  
Plastron- 31.5  
Tail 4, 3  
CCL 37 CW 35.5  
22-D RFL  
23-D LFL.

CCL- 102  
CW- 84  
24-D LFL  
29-D RFL  
3<sup>rd</sup> x Twites

② ♂  
MALE  
73.5 PL.  
CCL- 92.0  
CW 80  
31-D LFL  
32-D RFL

TAIL 41  
29  
♂

③ 61 PLastron  
TAIL 13.5, 10  
76.5 CCL, CW 66.  
33-D RFL  
34-D LFL

④ PLastron 64.5  
TAIL- 17, 13  
CCL- 80.5  
CW 73.5

5VB  
35-D LFL  
36-D RFL  
Leeches on margins of both eyes

⑤ 56 PLastron  
13.0, 8.5 TAIL  
67, CCL 37-D LFL  
58.5 CW 38-D RFL  
leech eggs

⑥ 56.5 PLastron  
12.5, 9  
70.5 CCL  
68 CW

39-D LFL  
40-D RFL

ENDED up pulling to FLAT in application when loading.  
Thrown into sea 3<sup>rd</sup> seine observed 2/20

R.A.K. Returned to Hotel from Camping in 4 pm. 3 Seines being pulled in in front of hotel, observed one. ~ 55cm turtle only one seen, although others may have been released before I arrived.  
2/21/97 4x4 stuck intertidal. Watched net come in - Adult female Russian tourists sat on and photographed. Taxi in PM to Kudaviti street downtown R.A.K.



work off one Friday  
one VAE day

- 10 quart cooler, narrow putty knife, 10 pints resin,
- 10 catalyst into Jars, 4 cups x 10; stick stirrers;
- 5 sheets (yz each) Sandpaper black wdry, 3x10 brushes; containers to hold/mix elastomers;
- Rubber gloves 3x10=30; eye droppers; Fiberglass cloth strips = 3 across one long way; Pags for wipe up;
- Data sheets, instructions, check list.
- Small glass vials for elastomer catalyst;
- File Strip of rubber(?) instead of elastomer
- Small steel cans for Resin; Electrical tape
- Test dart punch on a turtle. -WORKS! 2/97 <sup>leatherback</sup> Sample
- headlamp kahalala hony
- knife sharpener / <sup>MAP Book</sup> Bryan 1997
- Kitty Litter
- dehydrated food packets - Sports Authority (or catalog) for Scully

Needs  
Plumber's putty

"Fume Silica" or Flour - Mix with Resin  
 Aerial surveys for frogging, NOAA IMAGE - Sea Grasses  
 Sea Grass DNA Florida Sat. imaging FROM BHS = MIKE DUARAKO  
 Limpus - Copeia example of citing TMS.

Slides to Sart video to me  
 VAE - MAPS (144) Derek Gliddon "ERUSA"  
 "ARC View" GIS NAEC Marion - genetics  
 "Anon" GIS NAEC Marion - genetics  
 Access software their own software written to input Agos data

Software  
 "ELSA" Transposes Agos data to more usable format. sells it.  
 LUS just recently offered in VAE area

- Pesticide concern
- Water table concern

8/21 Fri. 11F Drove me to NAEC  
 in middle of desert near Sweetwater  
 8/22/97  
 8/23/97  
 8/24/97  
 8/25/97  
 8/26/97  
 8/27/97  
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 12/31/97

102

NARC

overnight 2/21 Friday at NARC near Sweihan

UAE

National Asian Research Center

Gave me brown T-shirt

Cheer A.C.A.W) Beautiful Facility

2/22/97

Abdul Aziz Al Midfa - NARC IR man

Saturday

Spent the morning talking to Fred Lanza & Derek Gliddon. Abd Carlos Hasbun - here for 4-5 months on contract. Saif went to Umm. to head at ~ 9:30am. Driver (arab) drove me to Abu Dhabi at 3:00pm. Airline tickets to travel agency to reconfirm. Checked

2/23/97

back in to Khalidia Palace Hotel.

Sunday

Met w/ Saif at ~ Noon, photos in his office. Agreed

1) He will write letter to Lanza thanking 2) I will send congratulatory letter to him 3) I will compose congratulatory letter from Neca. Visited "Souk" - Central ABU DABI - fish, vegetables, meat markets all inside. "No photos allowed"

2:30pm Saif's Pakistani driver took me to Dubai "The Apporter Hotel" (255chm right) Walked to huge wall of "CITY CENTER"

2/24/97

Depart EMIRATES AIR ~ 8:30am TO London (4 hours behind) -

Sunday

flew over Iran and Budapest. Arrive London 12:20pm. Depart UA

2pm FL931 for ~~Honolulu~~ San Francisco (8 hours behind) - 11 hour flight.

Arrive Honolulu late - ~ 1 AM 2/25/97 Monday

3/3/97

PM Telecon with Steve via Shandell - from DOCASE

wood ps

Turtle stuck in Seawall Moanalua Bay - 305 A Portport Rd  
Anonymous female reported to Dan 587-0889. I referred to Scott SSG

Need S  
Thierry Ask Richie for Records Surgeries etc.

Date: Sun, 11 May 1997 14:07:22 -1000 (HST)  
From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
To: "ERWDA- Dr. Saif Al Ghais" <alghais@emirates.net.ae>  
Subject: Recommendations for sea turtle research and conservation education acti

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

Dear Saif: Here are the recommendations resulting from my trip to UAE that I promised to send you in an informal manner by email. I believe we already spoke about all of them. But it may be helpful now for you to have them to you in writing. If anything needs to be clarified, please don't hesitate to ask me. I have divided them into two categories- Research and Education.

RESEARCH- Sea Turtle Ecology and Biology

- Satellite tracking of nesting females to determine the post-nesting migration routes and locations of foraging pastures where the turtles live when not nesting. Conduct as early as feasible in your overall sea turtle program.
- Obtain tags for sea turtles and apply them at every available opportunity. It is recommended that an ample supply of both Inconel tags (National Band & Tag Co.) and titanium tags (Stockbrands) obtained as well as several applicators for each.
- Conduct nightly systematic monitoring at nesting sites where turtles in UAE are believed to be the most numerous.
- Conduct aerial surveys of coastal beaches and UAE waters using digital high-resolution video to determine the relative abundance of turtles hence locate areas of significance.
- Conduct and/or obtain satellite imaging of UAE waters to map seagrass distribution to determine availability of foraging habitat for green turtles.
- Convene a Gulf States Sea Turtle Workshop to develop stronger basis for regional cooperation on sea turtle research and management. Keep attendance by non-Gulf State persons to a minimum.
- Monitor selected fishing bycatch (such as coastal seine fishing) as a means to capture, examine, measure, tag, and samples sea turtles.
- Collect and bank small skin biopsies for the purpose of eventually conducting comprehensive analysis of DNA for genetic mapping of UAE sea turtle stocks.
- Sample in a quantitative and qualitative manner the seagrasses and algae of foraging pastures used by green turtles.
- Obtain highest resolution maps possible for coastal and island UAE waters

EDUCATION- Sea Turtle Conservation Awareness

- Regularly utilize newspapers, radio and TV to increase the awareness of the sea turtle program.
- Use the satellite tracking data to full advantage in educational publicity when the tracking takes place.

Date: Tue, 6 May 1997 16:25:38 -1000  
From: Jill P Zamzow <zamzow@hawaii.edu>  
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
Subject: Re: travel completion

Richie

Hi George

I've been out in the bay for the past 28 hrs, so sorry for the delayed reply. I haven't heard from your travel woman, but then I haven't been on the other side since last week sometime. Just finished our second 24-hr monitoring session off the Kaholo. Some great footage. Joyce was with me on both. She's apparently leaving the end of this month. She has a proposal, just hasn't gotten it off to you somehow. I'll have to check my calendar re: the 20th and get back to you. Doesn't ring any major bells right off, though.

Aloha  
JZ

104

Need of first Molokai turtle  
AG No. 6414/6415  
BB 4429  
09-3-82  
PALMAY G

9523  
10/16/85 - Photos  
no Score  
PALMAY

JAE

From Fred LAUNAY NARC 2/22/97

Environmental  
Research & Wildlife Agency  
Development Agency

Microwave Telemetry Inc  
10280 Old Columbia Road  
Suite 260  
Columbia  
MD 21046  
Tel (410) 290 8672 Fax: (410) 290-8847  
Dr. Paul Howey.

[satellite transmitters  
used on birds by NARC -  
Capable of voltage readout]

Need

Mr. Mohammed Al Bowardi. - Managing Director

ERWDA

2/26/97 N.I.S.T. meeting

2

Need EMAIL to  
JAE

Ms Barbara Porter  
Clopper Rd  
Box 235 Rm B165  
Gaithersburg, MD 20899  
301-975-6291  
Barbara.Porter@NIST.GOV

Chuck Monel  
4/9/97 FWS meet  
Marc Webber

DALTON - OK  
Phone 491 641  
457

WIPE  
TAGS

Northwest Marine Technology  
FAX = (360) 468 3844  
Tel. = (360) 468-3375  
MACTA

Shaw IS. WA

Stockbards  
(619) 444-0619  
FAX  
NBTC FAX  
(606) 361-8247

Shandell FAMES  
Laura Reed

RMTCP  
5th

See Hotel 5pm Sat. Carpathia Ave SREP Resubmit (over CJ) Paper  
Carsten Cord VIL Reduce paste and

- Conservation of what we have.
- Improvement of living standard.

Peter  
~~USP~~  
USP

Turtles <sup>project</sup> are of way in SREP.

YOST - kickstart  
30,000,000 sq km  
Where can SREP assist?

KIRIBATI  
seed  
Bouca doesn't like salt?  
Liver? heart?

Facilitator  
Seed funds  
Pressure <sup>keep up</sup> public awareness.

Do not address ~~environment~~ <sup>environment</sup> issue in isolation of fun or another.

- Don't want multi-faceted projects.
- Tell them where to go from here.
- Strategy - keep it realistic.

Ken  
Loloma  
Hatchling  
Injury  
of  
magneta  
field?  
Hilite  
NAT. Geog  
Mag. fields

would prefer to give \$ <sup>seed</sup> to nations to run natural programs, than to hire a person.

New Time Line? new Strategy  
Framework? <sup>?</sup>  
Process to develop? <sup>?</sup>

**NO TIME**  
2/20/97 <sup>many</sup> ACAWAI Strand <sup>severely emaciated</sup> <sup>live</sup> 60.2 lb <sup>68.4 SCC</sup>  
**TIME EYES** 2/24/97 <sup>hammer</sup> KBAy Hygienic Store <sup>in need</sup> <sup>live</sup> 74 = CCL  
<sup>239-7146</sup> G. Chun. live

Both of the above <sup>Work</sup> <sup>3/1/97 SATURDAY</sup> <sup>LUNG & MUSCLE</sup> <sup>TUES</sup> <sup>2/20/97</sup>  
EU and Necrotised by Thierry

NO PLASMA or ABC from either of above, unless Tiwi collected and will give to use

TOP:113-114

See Florida Gray Book for additional information  
 need request 1996

TABLE 1. NUMBER OF REPORTED MARINE TURTLE NESTS AND SURVEYED BEACH LENGTHS IN FLORIDA, 1979-1992. SURVEY EFFORT IS DEFINED IN THE TEXT.

Year	<i>Caretta caretta</i>		<i>Chelonia mydas</i>		<i>Dermochelys coriacea</i>	
	Number of Nests	Survey Effort (km)	Number of Nests	Survey Effort (km)	Number of Nests	Survey Effort (km)
1979	10121	222.4	62	132.2	18	132.2
1980	12460	311.0	331	225.9	10	225.9
1981	13827	361.0	89	202.6	42	202.6
1982	20889	336.2	243	173.5	45	173.5
1983	23039	441.8	281	194.2	39	194.2
1984	21695	450.6	181	249.6	41	249.6
1985	27017	562.5	737	274.3	89	274.3
1986	33115	628.4	313	247.4	41	247.4
1987	32942	749.1	800	349.6	117	349.6
1988	37242	940.7	455	354.7	106	354.7
1989	49422	972.0	579	392.4	98	392.4
1990	66685	1004.6	2266	398.8	120	398.8
1991	68614	1060.0	554	396.9	188	396.9
1992	64974	1090.8	2509	407.1	177	407.1

1993 55821 1108.8 435 400.2  
 1994 71754 1141.7 3797 407.2  
 1995 80295 1109 564 394  
 1996

949  
 413797  
 JUST 36  
 UNDER AREAS 19  
 16

average  
 4 nests  
 per green  
 need  
 Steve  
 Johns

Cert Lines

Date: Mon, 15 Jul 1996 10:34:11 -0600  
 From: Melody Moore <Melody\_Moore@nbs.gov>  
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
 Cc: "R8 NWHR.HON" <R8\_NWHR.HON@nbs.gov>  
 Subject: Re[2]: Eggs

George - This is the fertility...info on the eggs.  
 " " "  
 L 5  
 second 6/10/96  
 SLP - 8 eggs; 6 fertile and alive- about 3/4"; processed 7/10)  
 2 dead; one leaking and rotten; didn't open either one  
 FFS J8 - 8 eggs; all fertile and alive; about 1"; processed 7/10)  
 FFS J15- 8 eggs; 1 collapsed; didn't open 4 infertile  
 3 fertile; kept in incubator with humidity at 30 degrees C until 7/15. Canded in a.m.; appear to be alive; will process with those arriving on 7/15/96

We recognize that the number of kilometers of monitored beach is an imperfect measure of survey effort because of the differences in the frequency (days per week) and extent (beginning and ending dates) of the surveys on individual beaches. However, some measure of survey effort is needed to interpret nesting totals. As can be seen in Table 1, survey effort for loggerhead turtles has increased from 222.4 km to 1,090.8 km during the study period. It has remained relatively constant during the past five years, although the specific areas surveyed have changed somewhat.

Not all nesting beaches in Florida were monitored. In fact, some beaches that have significant nesting activity, such as Wabasso Beach in Indian River County, have been surveyed only for the past few years.

In a few instances, the date of the first or last nest on a particular beach does not fall within the survey dates (Appendix Tables 1-5). In these cases, permit holders incidentally observed nests on the beach before or after the regular survey period.

Cell Lines

Date: Thu, 18 Jul 1996 14:15:54 -0600  
From: Melody Moore <Melody.Moore@nbs.gov> Madison, WI  
To: "R8\_NWHR.HON" <R8\_NWHR.HON@nbs.gov>, gbalazs@honlab.nmfs.hawaii.edu,  
Melody Moore <Melody.Moore@nbs.gov>  
Subject: Re[3]: J5 not J 46, sorry about that. J5 laid 6/4,

Here is the summary of the eggs that arrived on 7/15 (they actually did get here at 7:30!)

J92 (collected 8 June, according to cooler)  
16 eggs

- all were partially collapsed (1/4 to 1/2)
- upon candling all had veins, showing growth had occurred
- 1 (the most collapsed one) had a very small embryo in; must have died early)
- 1 had a full sized (similar to others in the batch) embryo but it was dead
- 14, including one that was leaking, were alive and about 1" - 1 1/8"

J15 (collected

- 7 eggs ( I never found an 8th)
- on candling, all had veins, showing growth had occurred
- 1 partially (1/4) collapsed - embryo dead; 3/4-1"
- 1 very collapsed (1/2) - embryo dead and very small
- 1 full but leaking - embryo alive and large - 1 1/2"
- 4 full and alive and large - 1 1/2"

I processed the 14 embryos from J92 together and they are called GSTEFa 071696-P (green sea turtle embryo fibroblast; primaries). The second batch, GSTEFb 071696-P consisted of J15 and one of the four eggs I had been incubating here (from batch J15). Is this the same J15 as the large embryos just sent? It doesn't seem likely because the size was so different. Maybe they are the same but had just developed a lot more in the wild than in your "incubator". Anyway of the 4 I was incubating here, 1 was alive and about 3/4 - 1" long, 2 were dead and very small and 1 was dead and 3/4" - 1" long.

I have passed the fibroblasts from the first batch made last week and they look good. Other cells are growing more slowly. Thierry is sending a small amount of tumor tissue to try in some of the flasks.

Melody

(6/5/96) SLP 9 <sup>Exam</sup> 7/9/96 = ALL 8 <sup>Not sent</sup> Shrivelled 1-yolkless  
all 8 - no sign of development

SLP 2 (6/11/96) <sup>Lay</sup> <sup>Exam</sup> 7/19/96 = 7 look good, 1 shell disc.

J8 <sup>U TAG</sup> <sup>FFS</sup> <sup>Exam</sup> (6/4/96) 7/19/96 4 top seen - white cap Firm

J15 <sup>East FFS</sup> (6/4/96) <sup>Lay</sup> <sup>Exam</sup> 7/9/96 = 36 36 Days of incubation - Many look good - Firm & white

Above 24 (SLP 1, J8, J15) shipped NW Cargo night of 7/9/96 -  
Received NMH Madison WI by Melody Moore late night 7/10/96.  
4 eggs in Melody's incubator from above.

See Plot [ Sent 7/14/96 Night T92 6/8/96 16 EGGS = 37 DAYS  
NW cargo "J5" 6/4/96 8 EGGS = 41 DAYS

FFS - EAST

moto	collected	# eggs	status
J5	June 4, 96	8 eggs	7/14/96 shipped
J8	June 4	8 eggs	shipped 7/9/96
J9	June 4	8 eggs	not shipped
J15	June 4	8 eggs	shipped 7/9/96
J46	June 6	8 eggs	not shipped
J92	June 8	16 eggs	7/14/96 shipped

FFS Received Summary = 6/14 = 8+8 = 16  
7/7 = 8+8+8+16 = 40  
Total = 56  
Infertile/NAD = 16+5 = 21



SEA LIFE PARK NESTINGS

SLP1

5/14/96 Turtle "L" seen laying eggs - none collected.

5/29/96 AM Turtle "L" laid - 8 eggs collected into styrofoam to A2 ~ 9 AM. Turtle had false-crawled for 3 nights. [6/14-viewed - "TURGID"]

SLP2

6/5/96 Blohous Turtle "U" 8 eggs to A2 at ~ 9 AM 6/6/96

SLP3

6/11/96 Turtle "L" 8 eggs collected by Security Guard. In bucket. Transferred to Sand/styrofoam 9 AM by SKM. In A2.

FF1

FF2

6/14/96 Two styrofoam of 8 eggs each from East received charter flight <sup>both</sup> collected 6/4/96 AM to A2. Filled already to top w/ East soil. Containers had been sunk into East inside compound by vent.

J-5 & J-8 Mototool

6/30/96 [SLP1] AIR CARGO TO 7:30 PM Del. 7/1/96 MADISON LAB

PM: 32 days of incubation - ALL 8 EGGS SHOW NO SIGNS OF DEVELOPMENT - Melody Moore N.W.H.L.?

7/1/96 [J8] eggs moved from top of metal shelf to lower righthand position where 5/29/96 SLP "L" was

7/4/96 J5 eggs moved from top of metal shelf to top of shelf where other eggs are on lower shelf.

7/7/96 Remaining East/IS eggs brought back on flight. 4 coolers w/ 8, 8, 8 & 16 each. Motored to Tern ~ 7/5/96 from East. As follows:

exam 7/8/96 IN A2 J9 6/4/96 collected = all shriveled - No apparent dev. J46 6/6/96 collected = 7 early embryos Mort. + 1 NAT 1 one latest embryo 1cm Total Keith

oviposition 8 eggs

7/20/96 (Put in A2 7/21/96) SLP "L"

8/26 PM Shipped NW AIRLINES TO NHTL-Melody Moore.

8/27 37 days incubation. ACC Alive 1 1/4" w/o head.  
All successfully incorporated into cell line culture8/19/96 79 hawksbill eggs in styrofoam container  
w/o sand - EGG obtained by Thierry work from8/19 Road-Kill - Maui. Carcass shipped by Skipper H  
8/23/96 - foul smell - dimpled. ACC open - <sup>no blood seen</sup> or other debris

Lot 1	7/11/96	SLP Turtle "L" and FFS Turtle J8
Lot 2	7/16/96a	FFS Turtle J92
Lot 3	7/16/96b	FFS Turtle J5
Lot 4	8/27/96	SLP Turtle "L"

Lot # 1 is a mixture of FFS and SLP cells and cannot be separated but all other lots (2,3,4) are either all FFS or all SLP. Lots 2 and 3 are FFS and Lot 4 is SLP. I know it can be confusing when you didn't do the work yourself.

Melody

George.

Sorry for the confusion - it is confusing. I did the eggs in 4 different batches - hence the 4 lots. All of the organ cells that Casey looked at were from the 4th batch (8/27/96). I also have a few organ cells frozen from the 1st batch that I didn't send Casey because I had so few. The following should tell you what each batch contained.

Lot 1	7/11/96	SLP Turtle "L" and FFS Turtle J8
Lot 2	7/16/96a	FFS Turtle J92
Lot 3	7/16/96b	FFS Turtle J5
Lot 4	8/27/96	SLP Turtle "L"

Is it possible that Lot 1 and 4 are both turtle L? The first shipment that I got (that were infertile) were also from her. I'm sure that I got this information from the cooler which may have been the same one as previously used, or it may really have been turtle L.

I sent Casey fibroblasts from Lot 1, 2, 3, and 4 and brain, kidney, eye, heart, liver, and lung from Lot 4. The positives were the lung and eye from Lot 4. Until we get the hard copy of the results we should interpret this as preliminary. I wish I had some lung and eye cells from the FFS turtles but I don't. Hope this makes more sense - if not let me know.

Melody

8/14/96

# ALGAE

111

4/30/96 <sup>FIJI</sup> LAUTOKA dried sent to D. Russell

6/7/96 ① Y658 Puako Mouth Sample 6/6/96 - Gelidium or Pterocladia?

② Fecal Wash Ukumehame 5-13-96 - Maui (collected at KRF)

③ Forestomach 5/24/96 Halenorea - Maui Tumor - EU H27

6/20/96 Forestomach 4/3/96 STRAND Keawaiki (N. Kora, Mc. Swan, Brown's property)

7/29/96 1 - 7/15/96 Palaoa (Chadophora? Molokai)  
1 - 7/11/96 Puako Mouth Sample

12/4/96 4 Maui Samples from necropsies.

12/4/96 For Identification by Dr. Russell					
Contact	Date	Place	Tumors	Contents	Species
DOCARE Maui - via Skippy Hau	10/5/96	Maalaea, Maui	Yes	Forestomach	Green
Skippy Hau/Brooks Tamaye	10/11/96	Spreckelsville, Maui	Yes	Forestomach	Green
John Claypoole via Skippy Hau	7/30/96	Ukumehame, Maui	No	Forestomach	Green
Dave Flavin via Skippy Hau	8/23/96	Papalaua Park, Maui	No	Forestomach	Green

12/6/96 44 Samples - Fedex # 1012659712 To Dennis

Date: Sat, 7 Jun 1997 22:00:05 +0400  
 From: National Avian Research Center <narc@emirates.net.ae>  
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
 Subject: Re: C.Hasbun

Dear George:

Thanks for your prompt reply! To go point by point on your questions:

1) Findings at RAK: Haematology and blood chemistry values-around 60 green turtles. We only got three Hawksbills. Nematodes, Cestodes, Protozoans bacteria and fungi. These I'm analysing at the UK.  
10 stomach contents-Halodule uninervis and Halophila ovalis only.

2) No signs of fibropapillomas yet nor other disease.

3) We suspect the killing of the turtles was done by Indians, but many locals commented that turtles are good to eat. We are looking into that a little further.

4) You can send all material through Head office: ERWDA, PO Box 45553, Abu Dhabi, UAE

Thanks and take care, Carlos

In replies pls put recipients name in the subject box.  
Visit us: [www.narc.gov.ae](http://www.narc.gov.ae)

TEST FOR  
T. GRACZYK - CRYPTOSPORIDIUM

4/22/96 (R793) Waikiki 2 vials intestinal tissue, 2 vials fecal  
 3/25/96 Launiupoko, 2 vials intestinal tissue, 2 vials fecal  
 Maui  
 3/6/96 Lahaina, Maui 2 vials intestinal tissue, 2 vials fecal

Fedexed 4/29/96 to Dr. Thaddeus Graczyk, Johns Hopkins (all above samples are from freshly necropsied green turtles, Chelonia mydas, consistent with nearly all earlier ones submitted).

----- message contents -----

FEDEXED 6/24/96 to T. GRACZYK  
 5/7/96 Case (TW)1237-1 Haleiwa Boat Harbor, Oahu 4 tubes  
 5/8/96 Magic Island, Oahu 4 tubes

FEDEXED 7/30/96 on blue ice to T. Graczyk #8807647940 - All to freshly euthanized Hawaiian green turtles.

5/21/96 Kahaluu, Oahu 2 tubes  
 4/24/96 Halenanae, Maui 4 tubes  
 7/3/96 Police Beach, Oahu 4 tubes  
 7/16/96 Camp Mokuleia, Oahu 3 tubes  
 7/25/96 Maunaloa Bay, Oahu 4 tubes

<sup>EU</sup> 10 TURTLES (31 vials) since 3/6/96

14 EU Turtles (57 vials) since 5/3/95  
 = 88 vials

2 dead  
 1 tube fecals only

24 EU

+ 8  
 32 EU Total

Subject: Samples fedexed (#101265945) to Thaddeus Graczyk 10/30/96

----- Message Contents -----

ID date of green turtle (all euthanized animals - eight turtles)

10/9/96	Kihei, Maui (Brooks Tamaye)	4 vials
9/17/96	Keehi Lagoon, Oahu	4 vials
10/5/96	Maalaea, Maui (Skippy Hau)	4 vials
10/16/96	Kahala Beach, Oahu (S. Bloom)	4 vials
10/12/96	Waialua, Oahu (Paul Schuff)	2 vials
10/25/96	Kawainui, Oahu	4 vials
10/11/96	Spreckelsville, Maui (Hau & Tamaye)	4 vials
8/27/96	Mokuleia, Oahu <i>turnover</i>	4 vials

30 vials

TRAINING

cont.  
from p. 105

2/27/97 - Sexual Harassment - Brigette Kenny (206) 526-6357  
 "Hostile or offensive work environment" - need 2/19/97 letter from Laura.

"Quid Pro Quo"  
 (Something for something)

→ TULLANE

Visit Dates

(3/22)

but NOT 3/19 or 4/12 & 3/20

"NOAA office of Civil Rights"

TERRY Christensen - Ryche Dept.

(504) 871-9450 home,

865-5331 office

4/12 - 4/19

3/30 Boyle

ID codes of study dates \* need to extract previous plasma TDPs for this summary and put it in a DATA FILE

PLASMA BANKING

- 4/22/96 SL-52.1 S=3 ITERATION 1 Tube
- R793 4/22/96 SL-69.0 S=3 " 2 Tubes
- 5/8/96 Magic Island Strand 2 Tubes
- 5/9/96 " " " EU T. Work 3 Tubes
- 5/13/96 Maui 2 Tubes
- 4/22/96 Waikiki (5/16/96 sampled at KRF) 1 Tube
- 5/24/96 Maui Strand 1 Tube
- 5/21/96 K Bay Strand 1 tube
- K 984 5/29/96 K Bay Sampling 1 tube
- 9499 5/29/96 " Sampling 1 tube
- 5/13 & 5/10 K Bay Sampling
- 5/17/96 Puako Sampling
- 5/13/96 Jim (USCG) via HAU - UK Omehame, Maui collected 6-10-96 1 tube
- 5/21/96 Martin KAWAIIANU K Bay kahaloa collected 6-10-96 by E.M. 1 tube
- 6/13/96 Mauna Leni Captive 9 Tubes
- 6/19/96 K Bay - 5 marks 4 AOL 9 tubes
- 6/24/96 MAUI CAVI Release TO KRF CAPTIVE I treated SL 45.4 TAG 11471 2 Tubes
- Photo of Suedopenis - release K Bay 6/24/96 1/19/96 from keowaiwi
- 6/26/96 Puuvalu, KAU #31 cracked tubes for (11 RBCs) 6 Tubes
- 7/3/96 Ni Shore Oahu EU 2 Tubes
- 7/14-7/19/96 PALAAS, MOLOKAI in cryovials RBC PLASMA & =
- 7/16/96 Verta Betancourt EU T.W. 7/24/96 SL 57.6 46.4 lbs
- 7-25-96 Strand TMR Hawaii kai. EU. T. Work 1 Tube
- 8/27/96 } 9/20/96 T. Work Necropsy RBC 2 Tubes
- 9/17/96 } RBC + 2 Tube
- 9/24-9/26/96 PALAAS, MOLOKAI 50 RBC + PLASMA
- 9/30/96 Molokini, MAUI SL=42.6 Hawks Bill RBC + PLASMA
- 10/17/96 Puako (#19) 10 RBC + 10 Plasma 1 tube each

(continued next page)

VIAL  
ID code on study dates

- 10/9/96 Kihei Maui TMR 170 lbs EU T.W Tube + RBC
- 10/5/96 Maalea, Maui TMR 100 lbs " " Tube + RBC
- 10/12/96 Waialua, Oahu TMR 23.4 lbs " " Tube + RBC
- 10/16/96 Kahala, Oahu TMR H602, H603, H604, Molokai, 1992 1 Tube + RBC
- 10/11/96 Spenkelville, Maui TMR + crack in shell Tube + RBC
- 10/24/96 KBAy Sampling 9 Tube (1 TMR) + 9 RBC
- 10/24/96 KBAy Sampling Small Tubes + RBC
- 10/28/96 " " Tubes + RBC
- 10/29/96 " " Tubes + RBC
- 10-25-96 Kawaiini Canal EU TW 10/29/96 2 Tubes Plasma + RBC
- 10-26-96 Kualoa 9112 Release Waiahole 11/1/96 + RBC
- 10-8-96 Lawai (TMR + float) EU 11-7-96 TW 2 Tubes + RBC
- 11-6-96 Hanaleiwa, Sikona 11 plasma + 12 RBC
- 11/15/96 PUNALOO #32 18 RBC + 18 plasma 3 1-tubes + 2 and 3-
- 12-4-96 HALEIWA strand TO KRF 1 Tube RBC 1-PLASMA
- 12-4-96 HALEIWA " " 12-16-96 EU T.W. plasma 2 Vials
- 12/7/96 Waimea (Oahu) strand 1 RBC + 1 plasma
- 12/12/96 Haleiwa (Kauai) strand Rabi Pawa 1 RBC + 1 plasma
- 12/12/96 Moku IS (Kauai) EU T.W. strand 1 RBC + 1 plasma
- 12/12/96 drawn 1/16/97 tube new tag 11298 Released 2 tubes  
2 singles 12-14 turtles + 4 RBC
- 1/23-1/24/97 PUNAHOE #33 w/AAA RBC & PLASMA
- 1/30/97 Hickam Wastewater Preston IHA EU T.W. work 2 Tubes + RBC  
AA 1/31/97 RON L'S TISSUES
- 2/9/97 T.W. work EU ON TAGGED SSG
- 2/12/97 SLP Adult greens Alphabet engraved = RBC + C.C. & E.

Powakou

depart Bali 2am 1 FEB (Friday Night = Sat. 2AM) 117

JANUARY						
	1	2	3	4		
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SAT. TRANS. TRAINING 9AM

FEBRUARY						
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

need to leave UAE 21 or 22

ARRIVE BALI DATE 2 FEB. SUNDAY Meeting = 3 & 4 Feb. JAKARTA = 4 & 5 Feb.

Lina's BIRTHDAY

MARCH								
	1	2	3	4	5	6	7	8
9	10	11	12	13	14	15		
16	17	18	19	20	21	22		
23	24	25	26	27	28	29		
30	31							

ORLANDO SYMPOSIUM

DARAS BIRTHDAY

need to DEPART symposium early p.m. to be home Friday late night

UAE. Booking "5AF98F" Depart UA 184 1025 PM

need - UAE need gray book. ② That's bill overheads presentation ③ Save slides

Q5655U JAKARTA wait list  
Q69E4H out bound 1 Feb FL801

GACUDA 800-342-7832 FL800 Both 7 FEB "CANDY" cloud 11:00 AM ARRIVE



AIR Horn  
Freezer  
Gloves KNIT  
W.T. Belt

Kiholo GPS =  
19° 51.607'  
155° 55.396'

KAWAIHAE GPS =  
20° 01.973' N  
155° 149.937'

No. Twine Green net webbing 44cm  
17" Knit-to-knit eye-to-eye

OCT 1  
12:30pm  
DADA'S CLASS web.

Angela and San Diego pelagic meeting

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

OCTOBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

9:30am GCB

Honolulu HONAU, KONA

FED. HOLIDAY

J. Casey

Neophiles

Intercession

Puako

KBAy

NOVEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Punaluu

KBAy

J. Casey  
Thanks Giving

Hawks Bill meeting MAUI

5:15pm Depart for Silver Spring

20-21 Nov. SILVER SPRING

DECEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- |                       |  |
|-----------------------|--|
| Nov. 6, 1996          | Mauna Lani or Honaunau                 |
| Nov. 24, 1996         | Honokohau or Kahaluu                   |
| Dec. 18, 19, 20, 1996 | Kiholo/Puako TDR download tagging trip |
| Jan 15, 1997          | Honaunau or Mauna Lani                 |
| Feb 5, 1997           | Kahaluu or Honokohau                   |
| March 5, 1997         | Puako                                  |
| April 16, 1997        | Koloko National Park                   |

FFS 8/92 TAGS

FFS 8/93 TAGS

11/3/93

FLORENCE

ACNWR

11/93 TAGS

7/94

KBAY 4800 <sup>MOTO-700</sup> U260; W491 H143-  
 KBAY 480 (TMR) U236; A858-A860 H145  
 JATA 4802 U306; 7560-7564 F509-F510  
 F157 (JATA)

4803 U273-  
 KBAY U276  
 4804 U204  
 U205  
 KBAY U283  
 U285

4807 <sup>72885</sup>  
 4808 <sup>R4742</sup> <sup>COFFIN</sup> <sup>22127</sup>  
 4809 <sup>U283</sup> <sup>U285</sup> <sup>22128</sup>  
 496392

22129  
 Melbourne

TAIWAN ST-  
 8/94 6

A1 PROCESSING - 6 Sensors - S1 = 8 bits S2 = 16 bits S3 = 16 bits  
 S4 = 16 bits S5 = 26 bits S6 = 6 bits  
**METRIC SYSTEM WITH U.S. EQUIVALENTS**

10-288-0 01  
 800-433-3273

METRIC UNIT (1)	U.S. EQUIVALENT	METRIC UNIT (1)	U.S. EQUIVALENT
<b>LENGTH</b>			
millimeter (mm)	0.04 inches	<b>VOLUME</b>	
centimeter (cm)	0.39 inches	cubic centimeter (cm <sup>3</sup> )	0.061 cubic inches
decimeter (dm)	3.94 inches	cubic decimeter (dm <sup>3</sup> )	0.0353 cubic feet
meter (m)	39.37 inches	cubic meter (m <sup>3</sup> )	1.31 cubic yards
decameter (Dm)	32.81 feet	cubic decameter (Dm <sup>3</sup> )	13.10 cubic yards
hectometer (hm)	109.36 yards	<b>CAPACITY, CUBIC</b>	
kilometer (km)	0.62 miles	milliliter (ml)	0.06 cubic inches
myriameter	6.2 miles	centiliter (cl)	0.6 cubic inches
<b>AREA</b>			
square centimeter (cm <sup>2</sup> )	0.155 sq. inches	deciliter (dl)	6.1 cubic inches
square meter (m <sup>2</sup> )	1.196 sq. yards	liter (l)	61.02 cubic inches
are (a)	119.60 sq. yards	decaliter (Dl)	0.35 cubic feet
hectare (ha)	2.47 acres	hectoliter (hl)	3.53 cubic feet
sq. kilometer (km <sup>2</sup> )	0.3861 sq. miles	kiloliter	1.31 cubic yards
<b>WEIGHT</b>			
milligram (mg)	0.015 grains	<b>CAPACITY, DRY</b>	
centigram (cg)	0.154 grains	deciliter (dl)	0.18 pints
decigram (dg)	1.543 grains	liter (l)	0.908 quarts
gram (g)	0.035 ounces	decaliter (Dl)	1.14 pecks
decagram (Dg)	0.353 ounces	hectoliter (h)	2.84 bushels
hectogram (hg)	3.527 ounces	<b>CAPACITY, LIQUID</b>	
kilogram (kg)	2.2046 pounds	milliliter	0.27 fluidrams
ton	220.46 pounds	centiliter	0.338 fluidounces
313	1.1 tons	deciliter	0.21 pints
		liter	1.057 quarts
		decaliter	2.64 gallons

FFS  
 9/95  
 22132  
 241197  
 ST-10  
 1/19196  
 2/4h Y193

WAN-AN  
 4240  
 6635

WAN-AN  
 8/95  
 ST-14

4240  
 6635  
 6636

8/95  
 ST-3  
 KAMEHAME

22126  
 22134  
 cycle

ROSE 10/95  
 25692  
 25693  
 25694  
 3/3 ONLY

AZORES  
 ST-6  
 194

22130  
 22131

ROSE  
 10/94 TAGS

TO Tahiti  
 4805 B113-B116  
 4806 B109-  
 Enedy f B112  
 Loss of SIGNAL AT ROSE

FFS ST-3  
 6/95 TAGS

22125 U672-  
 U675  
 22133 6038, 6076  
 U651, U652  
 BOTH  
 ST-33  
 6/6

3/3 for  
 60 days  
 8/95

Florida  
 ACNWR  
 ST-14

25688  
 25689  
 25690  
 25691  
 than

9/10/95  
 ST-10  
 9/95

AZORES  
 24185  
 24186  
 24187  
 24188  
 24189  
 24190  
 20N  
 4/0FF

ROSE  
 10/95  
 25692  
 25693  
 25694

Auth. code  
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