



BALAZS  
1998



2 of 2

George Balazs  
808-983-1749  
983-5733

July 98 - September 98  
86 Hawaii

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

Dense - KONA Islander - 329-9393

70

Need

GRAVELLE, Kim 1987<sup>①?</sup> ROTUMA A  
PATCH of green

Kevla  
coed  
4/4

Need

FATIAKI, Anselmo & 10 others [edited by  
CHRIS Plant] 1977 ROTUMA SPIT Island

Azores loggerheads:

n = 731 (for 1990, 1991, and 1992 tuna fleet data)  
mean ccl: 33.6  
sd: 11.3  
range: 10.0 - 82.0

3/12/98 Batten

Thomas  
only 4/98  
12 kg  
with

4/6

observed  
Telecom David Roddenberry 4/3  
Deployed 3/15/98 7299 - spray water in mix / whitish / h 45 min / feeling coastal  
3/10/98 7298 - Dry 45 min Dry

Active & pissed Agitated Twitter  
Low probably of falling off

Telecom Will Harrison - last transmission 11/12/97  
AEGOS - Telonics TESTS w/uplink Receiver

20-30 Twitter  
Cindy Driscoll (410) 226-5771  
OXFORD, MD

Seattle Mike Garner DVM  
ZOO PATH (360) 668-6003  
Pathology Business

WED  
Baja Strandings TISSUES

4/3 Lunch with BOB BRON  
3AM Meeting w/ T. Work  
(Molokai Hematology MS note)

4/4  
need to  
change  
processing

Glavia  
Seaborn

st: samp  
Georg  
sampl  
For th  
zip-lo  
gellid  
be us  
collec  
Any re

Kevlar cod test epoxy <sup>polyester</sup>  
 ① Lower limit to <sup>Need MARTY - 808 881-7016</sup>  
 ② Limit to <sup>Wesner Ptge 899-5313</sup>

4/4 256pm Kenny - SLP, office recorder.  
 Turtle tangled in net.

"Where they flew the highest <sup>from</sup> the bow of the Titanic, was the <sup>place</sup> that sank first"

4/6 FedEx #8029-6650 - TO URSULA all returned  
 17-color prints, 9747-5x7" and 12 8x10" BWS.

IX H06L 125kHz 11.5mm Presterilized disposable injector  
 (Dextran-Freemng)

4/4-4/5 Inside my office!  
 ST10S 17 magnets off for ~ 2pm - 12noon

need to change processing

- 19601 24179 <sup>process ok</sup>
- 19603 24188 ok
- 19604 24189 ok
- 19605 24190 ok
- 19606 25690 <sup>from site</sup>
- 19607
- 19609
- 22130
- 22131

- 4/6 730AM - 430pm off
- 19600 ok apparently!
- 19602
- 19608
- 24187

need to retest

Date: Fri, 17 Apr 1998 06:44:05 -1000 (HST)  
 From: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>  
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>,  
 "Denise M. Ellis" <dellis@honlab.nmfs.hawaii.edu>  
 Cc: Shandell.Eames@noaa.gov  
 Subject: Ph. msg.

Norie called and said that she picked up the turtle from Kaiaka Beach, Haleiwa. It was a Hawksbill! Advanced decomposition but she brought it back. CCL=60.0cm. It's in our freezer.

Reduce

Gloria Seaborn

t:samples

George -- The reason that I was somewhat hesitant in asking for the halophia and gelidium samples was that Kathy indicated that they were very difficult to collect, especially the gelidium. For that reason, I am keeping sample size to a minimum. I would like approximately a quart size zip-lock bag, full but not tightly packed, with halophia. I could make do with 2 - 3 teaspoons of gelidium. One sample each would be fine, but if you have different sites, additional samples might be useful. Probably the best approach would be to wrap the samples in aluminum foil when collected, seal in zip-lock bags and freeze as soon as possible. Ship with chemical or dry ice. Any reasonable modifications, more compatible with your field situation will be OK.

NOS Charles

Gloria Seaborn

Wesley Marty  
72 Fax 889-6773 Kaula case FATED

need shank ~~ATTACH~~ clipping

847-3951

4/6 Ted telecon - Fiberglass Hawaii

Monday

need - kevlar, laminated resin 5 min,  
Solvent for quick cure Systems 3 Epoxy

= "Denatured Alcohol"

Let stuff stay in cup for awhile  
if cool. Limit to catalyst  
(190). Large amount can ruin it.

ves. (787) 722-7517 Hector ORTA Carlos Diaz

4/7

AA talked to him re: 100lb heavily tinned turtle

4/7

Alan Hee 543-4260 KATE power plant  
Turtle in large holding  
area of power plant. He will try to rescue.  
98 - Mr. Hee his uncle died.

4/8/98

Bill Cursinger telecon.

BCRHO@GWI.NET sent email  
attach. Shank Attach

Wednesday

Wednesday

4/8 Craig Nakamura - Pros. Attorney re:  
UPOLW POINT CASE

wed.

4/10/98 JAN LANDSBERG arrive 4/10

OAHU

FRIDA

11am-1pm  
MOKULEIA - EAST end of Dillingham field  
Cement slabs at berm - collection inside reef -  
0.5M deep next to shore.

1 Haleiwa - War Memorial

2 Papailoa Rd "Dune" of Pterochloa - 4-5pm

Low  
wind  
low tide

OAHU  
N. SHORE

<http://www.unma.pt/sbmo/>  
Thomas DILLINGER, UNIVERSIDADE DE MADEIRA  
CARGO do MUNICIPIO, P900 FUNTAL/MADEIRA  
PORTUGAL

By We  
Ain't  
DAUGHT  
Good  
Fody  
40ft  
W/Bush  
(2) K  
(4)  
KONA  
3  
13 AF  
Monda  
DIG LA  
19 AF  
ve.  
ADY  
Bl

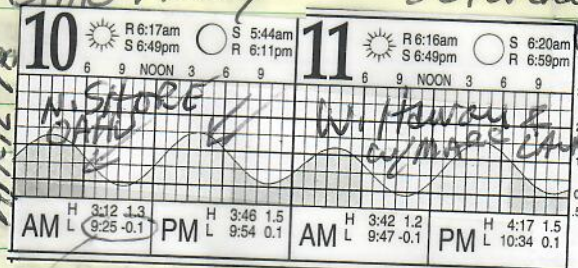
Need By Wednesday  
April 23  
DAUGHTER'S DAY

LIZ COBBIN - 239-8316, 587-2584

~~self email to Bud~~

OAHU Friday

APRIL 98 73  
Saturday



Coco Tanning?  
Frog video

JAW  
LANDSBERG

40% winds

① KAHALOU  
BONCH PAK

② Kiholo

④ Kawaihae  
20001.846 N, 155° 49.786

③ Puaka - 19° 58.314 N, 155° 50.476 W

2, 3 & 4 assisted by Marc & Laura Rice.

Kawaihae - used Pete Hendrichs Container Storage

KONA  
HAWAII  
G.A.

13 APRIL 98 J. Landsberg - Hilo FL. 404 625 AM Hilo

Monday  
① PUNALUU - collections 19° 08.088' N  
155° 30.311 W

BIG ISLAND

② NINOLE

③ COCONUT IS., ④ Puhia Bay

⑤ RICHARDSON ocean bank 19° 44.223' N  
155° 00.787' W

19 April Kaneohe Bay

w/ JAVIER VACSONCELOST Mexican

+ J. Landsberg, DMC, SKM,

12 captures Mark & AOL Chris MacDonald,

(including "50" KRF, LFP paralyzed, Bryan (Cops officer of "Capt. PAKA" & Brownlee),

Blood for JW's immuno AA, T.W.

Study. Algae for biotoxin.

③ Coconut Is. Reef flat

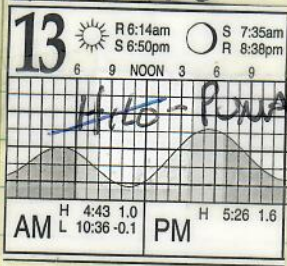
① AOL ② Mats reef

Algae collected  
Reef 16 (or 15)

KONA

Jr 74  
Landsberg seal  
p. 73

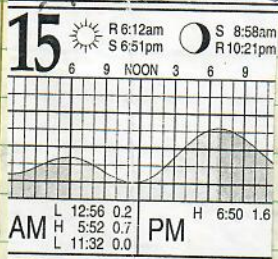
APRIL 98 Monday



4/21/98 CRAIG NAKAMURA  
Phone voice mail  
Recorder Call 541 1823  
Peter Dawson  
PAIPALOHA Rd 637  
800 CAMP 7702  
847-1960  
542-0688  
Steve Montgomery

VIA  
CAN

APRIL 98



15 April  
Wednesday

Molokai - Jan, Denise, Bill Pulelos  
① FAKANAKA ② Waikeke ③ KAKATAIA

↑  
site?

16  
Thu

MAUI

Power plant

17 APRIL 98  
Friday

Hilo 6:25 AM ALOHA  
FL 404 Alone; Return HAWAIIAN FL 11:13 PM

Turtle  
w/ Tumor

Keensurfacings at PUKI BAY

- COCONUT I green night film  
" 2 mixed dirty turf  
PUKI BAY 3 Pterocladia  
4 " "  
5 " "  
6 } 8 Bubble olive  
7 " " lime green  
8 " " "  
9 Pterocladia (Bik PRANA'S)  
10 Aitu Feliz  
ULVA

4/17/98

- ALGA  
① Collect > 1oz (30g)  
② If seawater, decant in grad. cylinder  
③ Bring to 100cc w/ seawater  
④ Pour 100cc into bag w/ 1 ounce agar  
⑤ Shake 30 times (15 doubles)  
⑥ Pour off 50 into grad. cylinder  
⑦ Pour into labeled jar  
⑧ Add 10cc formalin (10% buffered)

- 11 FIAT Brown branched  
12 Pterocladia  
13 ULVA  
14 ~~ULVA~~ SARGASSUM  
15 TURBINARIA  
16 Red Turf

17 APRIL 98  
Friday

A = An

B = Cy

C = M

D =

VIA  
CAN

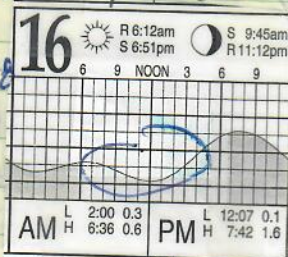
Cindy Heil - Australia  
MORTON Bay - DYNOFLAGGATES  
- ALGAE EATEN BY PEOPLE - DYNOFLAGG.

need - FAX sent  
DRAFT NATIVE marked  
article TO  
Limpus 75

16 APRIL 98  
Thursday

need - mail blue  
Beotoin + turtle lit.

APRIL Thurs,



Timored  
turtle - Rye  
seen in  
warm  
water of  
power plant  
- 8am

~~MAUI~~

MAUI

KAWAHA

(JUST EAST OF Sewage Plant)

20° 53.795

156° 27.222

Power plant kahului =

HONOLOWAI

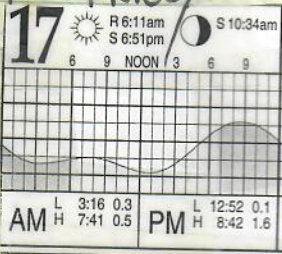
20° 52.373N

156° 41.153 W

KAUAI

17 APRIL 98 - JAN/Towark  
Friday 555AM Don Heacock  
KAUAI

APRIL Friday



A = ANAHOLOA (N=7)  
22° 08.862'N  
159° 17.757'W

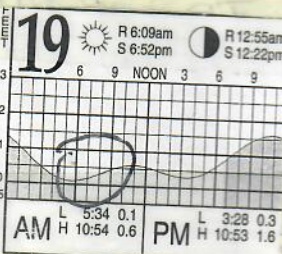
B = CYRILGATE Pt (N=6)  
22° 02.481'N  
159° 20.145'W

C = MOLOAA (N=9)  
22° 11.563'N 159° 19.849'W

D = Prince Kuthio (N=8)  
21° 52.881'N, 159° 28.423'W

ANNI BEACH N=12  
22° 13.387'N, 159° 26.249'W

SHERATON Bay (N=5)



WACKIKI  
Sheraton

21° 16.597'N  
157° 49.812'W

~~KAHULUI~~ KAHULUI Boat Ramp =  
20° 53.790'N, 156° 28.685'

76

sent Mark <sup>welder Nat. Wild. mag.</sup>

4/15/98

Ann Rillero

573-2457

sent 6/21/98

152 KAPUAN, ST,  
MAKAUWA, HI 96768

MAIL H  
Cabels

# parts to GIS(?) Land-use Maps  
Dysofrygellate Hawaiian Study  
Survey (1) Islandwide baseline  
(2) Relation of tumors to certain Dynos  
(3) New species (stomach toxic focus) tumors  
(4) Ciguatera  
KONA West Hawaii = no cane or pine

4/20/98 Agave/JAN samples to Dennis  
Russell N=126  
Fedex # 802863269639

4/21 N725 Fedex # 802863269628  
Remaining Agave TO samples Dennis

4/21/98 Fedex TO Telavics ID (24194)  
Monday #802863269640 ST14  
Brenda Sys 370110A battery date 4/17/96  
Received 3/9 for 39 days; 3/31  
? Charge to 1 on / 3 off. Life of unit.  
Refurbish into Imbedded Helix new shape.

in 24194 will be held + Need - ID for new ST-14 (helix)  
ST14  
+ 8 IDs for (P.87) ST10 (helix)  
Seep. 87

JAVIE  
4/18 -

need  
over

4/18  
CO

APRIL

Subject: turt

A br

Four  
necr  
neck  
eden  
histo  
colle  
A tur  
invac  
due t  
histo  
simila



17 April 6:10 AM FL 1636 → Houston, FL 1199  
HA F3 noon 2:30 PM  
77

MAIL Heacock Seal/Turtle (Hilite) - Shamu Point  
Cabels - Hilo A B C D 4/17/98 + Scimitar  
Oahu A B C D 4/18/98 + "

- TW - Abby blood results? M. Rice kahalo?
- Shamu Movi got necropsy results 7/11 phone cards
- Jury?
- cover for MicroCent. + reader + instruction box
- ~~many~~ <sup>many</sup> names

JAVIER meet 24th June → July  
4/18 - Training workshop - 28 - Sue or Caroline?

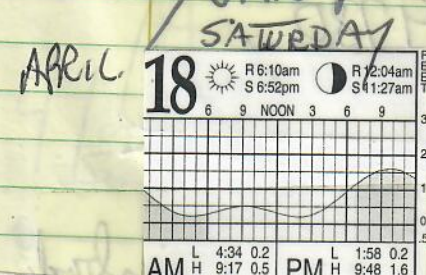
need E-MAIL TO ANNY Cled  
need regrets GARMIN store  
- Centrifuge - JAVIER

4/18 Oahu, PAIKO & kahalo  
collect Algae  
w/JAN

PAIKO, Oahu  
21° 17.06' N  
157° 43.29' W

---

21° 17.815'  
157° 48.852' KAAHAHA Beach Oahu



Subject: turtle necropsies 3/20/98  
A brief summary of turtle necropsies for 3/20/98

Four turtles with no FP in excellent physical condition but moderate state of decomposition were necropsied. Gross findings in all turtles were evidence of entanglement and drowning. Head, neck and front flippers were edematous, swollen with subcutaneous hemorrhage. Head, edematous and trachea and adjacent tissues hemorrhagic. Lungs were histopathology. A 'wet' drowning could not be diagnosed and tissues from all turtles were collected for histopathology.

A turtle in poor condition, presented severe, generalized FP; another turtle with a large FP invading upper maxilla and orbit presented an abscess and necrotic tissue by the palate, possibly due to food impaction and secondary bacterial infection. Tissues were collected for histopathology. The last turtle was another case of entanglement and forced submergence with similar lesions to the above four cases.

Gill net Waitee Oahu

78  
4/21/98 100lb ~~60-70cm~~ leatherback ~~dead~~ on Ice since  
TUESDAY ~ 4/7.  
2ug, Dutton, Anders, Spoker  
LL hooked TO A2

21 APRIL 98 KANEHOHE BAY GHB, TW, Allison DME

TUES. 11. Captures Snowballed around  
Objective: Blood for T. work immunology study Reef 27

4/22/98 Wed. SCL-70.3 CCL 77.5 (76.0 non ridge)  
Featherback necropsy Ridge  
T. work, A.A., GB, brain, Bob Reynolds, GAB  
QUARANTINE FACILITY  
neovasy  
LLO200 98 04 07 004

4/22/98 Wed. Fedex # 8029 6650 9780  
JAVIER — Centrifuge  
Follow-up Fedex w/power cord.

4/23/98 Thursday Fedex # 8028 6326 9650  
Left eye in 10% formalin leatherback  
Sent to George 2ug  
LLO200 LEX T020 98 04 07 004  
SL 71.0" 1319N, 16537W  
CCL 77" 4/7/98

CLINT  
ATA  
10  
2880  
9,011  
4/23  
Centrifuge  
5/8/98

Reef  
4/26  
Sun

Clint Mortimer (314) 362-5750  
10 AT&T Surgery " 966-6839 SISTERS ST. LOUIS 79  
2880 Hawaiian Tel. Business = 643-4411  
9,011 (248) (69?) Group #3 Cheryl 983-5303 MAIN ACCOUNT  
32 11 07 MAIRI

4/23 Kizzy Corbin 47-215 Iulu St Kaneohe HI  
239-8316 12 years old. 96744  
M.S. Foundation For Women "TAKE OUR DAUGHTER TO WORK 1998"  
Betw. old.

5/8/98 Kristen Smith 468 E Manahai Pl. Honolulu, HI  
486-0382 Nearly 12 year's old. 96818

Susan Pultz = (Carl) 737 6586

→ Felicia 236-7430; Mop 956-6000

need Patrick Ching 259-5350, 5354

Telecan

Harry Emmett Finch (310) 457-7895  
Sun bro

4/26/98 Sunday ~~SUNBR@earthlink.net~~

FAX (310) 457-0806

howzit@turtles.org  
V. Keuper-Bennett

<http://www.turtles.org>

Sunday #  
 80 5/17 472 Silver Spring preplanning meeting  
 UA 9:15pm → 2A 5:11am 650 → 12:41pm 115p → 3:54pm  
 9/21 8am → 9am 10am → LA → 4:57pm

28 APRIL - 6 MAY 98  
 UAE II  
 Hono → LA → London → Dubai  
 UA 19:34/28 6:20pm  
 RAK TO DUBAI  
 DUBAI EMIRATES FL. 01 → London → SF → Hono/LHR  
 5/4/98

Travel Insurance \$500,000 #19 Policy #7215-25487118  
 28 APR 98 0424-1012.0  
 Purchased Cash at LAX. 800-453-4062, 11717 OMAHA, NE  
 BURT ST.

1998 ID codes RR 9 on/3 off TAGS CCL FFS  
 Deployed 5/4 10213 39 sec 328, 329 99cm  
 RAK 5/4 10214 40 sec 332, 333 99.5cm

need Oman recapture = 327810 Titanium  
 Program # 1440 NARC  
 Person not deployed =  
 Ross. UAE needs  
 sent - 2/97 photos to Shabir ZAINUDEEN  
 ERWDA LIBRARIAN

sent - FP workshop to Steve + TAG chapter  
 sent - Snake detector to SAIP  
 Tom Barley - Anatomy manual + others sent  
 Need - N. Kohala case remains + Hilo case?  
 EMAIL Tommy  
 Think Derek & Walter.

5/8/98 Fedpsed 10 assets to Thane for calibration

5/8/98 Meeting with Ron Lu regarding FY98 item  
 #802863269856 returned calibrated  
 Friday funding + travel to VanCouver

Sat. TRAM  
 Need  
 9/25  
 Debbie  
 SHAW  
 Rose =  
 N=8  
 FFS  
 N=12  
 5-11-98  
 Telecom  
 5-12-98  
 Tue  
 5/13  
 Wed  
 5/14  
 Tel  
 + OMAN

Sat. DEPOS Need  
Need Bull pvt loa  
HALAWA, KBATY!  
KATO KUNAWA

Note  
KBATY  
call Teri hope  
shull's sent 81  
FAX TO RAPI

4/25/98 First noted S. Swell of season (by me)  
Mothline AC photo. Melodine abstract, p47  
Will Harrison - new codes

What are the affecting factors of good sat. overpasses -  
Latitude? Longitude? TIME? How  
much (rate) change happens by Time,  
Latitude, Longitude?

Rose = 11/93 = 4807, 4808, 4809 1ST 3  
N=8 10/94 = 4805, 4806 ST 3

FFS N=12 10/95 = 25692, 25693, 25694  
8/92 = 4800, 4801, 4802  
8/93 = 4803, 4804

For Denise

1/94 = ~~none~~  
6/95 = 22125, 22133 (Both Males)  
9/95 = 22132 (OWA Beach)  
1996 = NONE

9/97 = 24195, 24196, 24197, 24198 (all 3/3)

5-11-98 wed. AA Hotel Reservation - 3 rooms  
Telecom/Lumpus (2) Chanayia - lab in Brisbane - how many?  
(3) Permit CITES

5-12-98 Fedex Hawkebill abstract to Alberto - Mexico  
Tues, # 400-6441-7441

5/13 Fedex # 400-6441-6866  
Wed, TRACKING MS + Reports to Cheng

5/14 Tele Lee Ann Woodward Ecological Services  
Environmental Toxicologist  
Greg M. FWS, 541-3441 FAX 541-3470  
+ email, + MAIL Her two bundles of reports she requested -  
mainly ones of mine.  
Sent

- Need ① CITES permit Add # Bidkeys for Mexico work + AUSTRALIA  
 ② Contract to BOLTON  
 ③ Conference Call w/ Limpus. put on LIST server UAE ALSO

## EPIDEMIOLOGY STUDY (NOTES FROM UA MAGAZINE 5/98) on heart disease (FRAMINGHAM STUDY)

IN AN EP STUDY, RESEARCHERS DON'T INTERVENE, THEY OBSERVE. Researchers look at large groups and compare the heart attack rates of those with high vs low cholesterol. The study was to uncover correlation, not causation.

Epidemiology studies often provide the first clues to the causes of disease. It's only when strong clues to the mechanism of disease have been developed that we can start to design clinical trials to test ways of treating that disease. Epidemiology studies focus on prevention. One way you learn to prevent disease is by identifying risk factors in a broad population and changing risk factors before the disease occurs. Only epidemiology studies can look at our harmful habits. EP studies serve as a valuable information bank that allows researchers to "hop in a time machine" and go back to look for culprits that never made the suspects list decades ago.

- Need - 10K project - Australian analysis  
 - 10K project - Costa Rica analysis/assess.  
 10K project - Chile (Dutton test)

Stranding: 4-22-98  
 Connie Bidgeman  
 57-427 Honokawela  
 Kawela, HI 96731  
 293-7459

9/24/98 from Shirdell  
 MID EMACI  
 1 each egg  
 SCL 764  
 ECL = 82.0 cm

Received another call today (4-24-98) from contact's mother-in-law, Joyce Platt, stating turtle had come up on shore again. SME picked up turtle and brought back to the lab where SME and SKKM took measurements. Took turtle down to Kewalo where we were to meet Dr. Morris and found out turtle had died before arriving at Kewalo. Left turtle there for Dr. Aguirre to necropsy.

KRF turtle: 3-31-98  
 Madline Scherman  
 Kawainui Canal, Kailua

Found and removed 2 small fecal pellets. Also removed debris and scrubbed tank. Dr. Morris force fed turtle 3 fish and 2 3/4 squid. He gave turtle 1 L Normasol, 1 cc B-vitamin, and 1 vitamin & 1 calcium pill. Left 2 pieces of squid on bottom of tank.

web site Chile = www.segegob.cl  
Sernatur inicio.html

Free Custom mapping Service = www.mapquest.com  
Ecotour opportunities = www.ecotour.org  
www.AMTRACK.com

5/14/98 Thurs  
Telecon ANYAA 739-5282 Law student  
GT Recor. plan loaned to her, Hawaiian plan given to her.

Glynnis NAKAI = home 328-2690 FAX 334-0601  
work 334-0314, Invited her on Puako w/T work 5/26

Tim Clark - 247-0672 Leslie - Kereche

5/14/98 Rod Kennett telecon 35 min - he called me. now Dec. 8 Deploy  
Centre for Indigenous Natural and Cultural Resources Management, Northern Territory Univ, Darwin, NT, 0909 Australia  
618 89466495 Tel  
618 8946775 - FAX

need Hawk abstract photo + UAE

5/15/98 Fedex to Saif # 8029 6650 9769  
2 detectors, reports & photos pickup #161

5/15/98 Waste Resources Associates, Niagara, NY  
Friday "Hazardous Waste Refresher Course"  
Steve & Linda - (716) 297 4205

5/26 START 2 Buckets motor tools gear to FFS Cromwell

5/15 Lunch w/TIM CLARK TO DISCUSS FFS  
FRIDAY 1998 field season, 5/26 or 27 BRAUN

5/15 Chris Starbuck unexpectedly to my office  
FRIDAY GOING TO IRIGANDA VIA BAKI CHINA AIR

5/15 Meeting w/Yvette Andersen ideas - CROP, FP/CAND use  
INDONESIA FOREST SERVICES

need PATRICK CHING 259-5350 5354

FAX - OMAN TAG? SAIF Steve B. - where? try to deploy

- Tim Clark = FWS #3,932 1997 (need contact extra \$1K)

- 17-21 Thursday
- Sunday
- From R News
- Barbados
- YUCATAN
- Antigua
- Puerto Rico
- Buck Is. = 2
- Jamaica = 2

**RPS PRE-PLANNING MEETING**  
 Depart VA Sunday - Silver Spring, MD  
 via LA & Chicago, arrive Washington Reagan 4PM  
 Met with BAS and Michelle Rogers 7-10AM  
 to discuss Caribbean Project.

- Decision:
- MSDS sheets (EXCERPTS) to each participant, + xerox of Resin Labels
  - Diagram of box (double check measurement - esp. depth)
  - Roll of kevlar
  - Assign Looking for source of Resin fresh photo copy LABEL TO US
  - Explain Problems of shipping Resin/CAT.
  - Import duties on Trans?
  - ALL ~~MSDS~~ FedEx Lit. on Trans. Lith. BAS
  - TRANS. TO BAS reship w/ TRACKING units \$US1
  - Hotel available last week of Aug.?
  - Room free? Travel orders issue

5/19/98 -  
 10 AM  
 Tuesday

Room 4505  
 Need - Center Request "block"  
 29 Sept - 1 Oct. Meeting RPS Allocation

O.R.F. operations, Research & Facilities  
 "Hard Base Funds"

- Title Change - "Internal" Allocation
- Richard Merrick - NE Turtles (PS) chief
- 1 Aug 98 proposal due date
- \* - Steve Reilly 9/29 - 10/1 OK?
- Met Christine Lowe
- Send Rec. Plans etc. to Bob Gorell

The Pathway to  
 Bo  
 HEACU  
 unrelated w/ R  
 need Ad  
 5/20/98  
 8:30 AM  
 Wednesday  
 # N  
 R  
 L  
 Andrea  
 Cannon  
 FY99 pr  
 " Hawksbri



The pathway to "LOW TECH, HIGH TECH - SUCCESSFUL SEA TURTLE SATELLITE TRACKING"

Banded together on the backs of SEA Turtles

HERACLI Graphics - Directory Assistance?

Telecon late APRIL Linsey MAY FWS

unrelated to Moses - Security Guard at Coconut IS. 800-421-0011 EXT 3182

Need ACISA "UTC" 671-2435 sat. transmitters - INQUIRY

5/20/98 13k rebate SEPSC ? Nita 129 NOT TAKEN  
8:30 AM AT Montorio - speaks to issue of voting/voice by other offices  
Wednesday (3 offices)

\* Need - Emphasis when it comes to R&D CD input on proposals - (1) cover letter when submitted (2) letter cover emphasis when report circulated  
Royer - exchange info on what priorities are required  
label last year, we will not rent our own office

Andrea Cannon "Short-Term Visiting Sea Turtle Researcher Project to Promote NMF's Inter-Regional Collaboration and Information Exchange"

FY99 Zimmerman & Balazs pre-planning sea turtle allocation review panel meeting

BAS 13th Fl.

Hawthornbill Proposal proposals - 20 copies, double-sided

Electronic then? Feas?

Temporaries - by ear some offices have  
- NPI National Fisheries Institute  
(Kemp's Beach - OMNIBUS)

- SUSAN McMullen - Kemp's FWS responsibility  
- EdwL Sandy (SE)  
- CNMI - Brooks

Flipper Tagging in H.I. 1972 - present 5798  
 Ave → B.L.G. IS.  
 = 3900 in coastal foraging postures (in water)  
 mainly immature < 85 cm  
 = 2000 Adults, nearly all AT FFs,  
 ON THE BEACH, nearly all females nesting.

5/20/98 11:57pm after lunch  
 Wednesday Amy Moorehead arrived.

Observer program cap 17% cap  
 then discuss Teds development # RPS  
 also "fishy whale" - therefore  
 considerable discussion of tagging.

"Proceedings of the First International Symposium on  
 Kemp's Ridley Turtle Biology, Conservation and  
 Management" by Carroll et al and A. Landry  
 389 p 198-201. J. Leong et al.  
 Some problem  
 Capnitem.

Proposal Numbering T-99-SWC - I think lost  
 slightly revised list (not priorities of sorts) in guidelines

5:10 PM Tagging meeting @ Amy Moorehead  
 @ Gene, @ Chuck, @ Daryl, @ BAS, @ Sherry Appley, @ GB  
 purchased 8600 tags past 2 years (including Marathon/Hzf.)  
 END Meeting ~ 8 PM

5/22/98 Rosalind - (562) 980-4058 FAX  
 My travel claim for 3/12/98 trip w/ Tommy  
 to Hilo for N. Kohala case.

on 11pm  
 5/24 9600 off 5/25 noon Monday  
 ST10

Midway on Aconia  
Census - Resurvey

"I'm open for change" 5/20/98  
Amy Moore et al

"I have to forgo/drop something  
to make room" 87

Needs - ① Will Harrison Processing and in 1092 ST10's p. 71  
√5/98 ② ID codes to Wild. Computers = 20

- 22530-35 (6)
- 23657-62 (6)
- 24747-52 (6)
- 25312, 25313 (2)

√③ 5/98 ID codes to Telonis for Helix-embedded ST10's (8)

- 25314-25317 (4)
- 25358-25361 (4)

√④ Will Harrison ST10 processing for above in 1092  
⑤ " " ST14 Helix imbedded ST14 process in 9092

⑥ FAX Limpus - Answers <sup>Need</sup>

√⑦ 5/19/98 Memo to Brenda from BAS  
25689, 25691 Recovered in FTL at Telonis <sup>25668 mem</sup>  
for Refurbish - <sup>These</sup> IDs ARE in my program! <sub>per = 25688</sub>

NOTE 11/97 I paid to Refurb 27-127 others & transfered to 1490.  
Check w/me if you recover others that are in my program.

⑧ Dutton Cites. up # Nitta Cites

⑨ BAS 24 - 48? NOAA 11, 12, 14 NO overlap  
ON TIMES!

EMAL Limpus <sup>micro</sup> + Brian Glazebrook

5-22-98 Friday Glynnis work 334-0314 home 328-2690  
Telecom Limpus [order another nitrogen]

Brief Mike ① Hotel - Alexander Hills - 3 Rooms  
② Vibrio - No sources for analysis  
③ Salmonella - " " " "

Need to FAX ④ Institutional Permit - he's check w  
→ Need - FAX him (ours) ② Regular CITES

⑤ Centrifuge - Has one w/Hemostat attachment  
⑥ Microscope - has. ⑦ <sup>QUEENSLAND UNIV. OF TECHNOLOGY</sup>  
CHLAMYDIA <sup>Lead Genetic Culture</sup>  
w 20-30 each They will supply sampling gear.

wt on plane Cindy USFWS  
 88 Raskemper 541-1699 EXT 169

Date: 22 May 1998 19:51:27 -0400  
 From: Rhey Castillo <Rhey.Castillo@noaa.gov>  
 To: gbalazs@honlab.nmfs.hawaii.edu, Shawn Murakawa <Shawn.Murakawa@noaa.gov>, Denise Ellis <Denise.Ellis@noaa.gov>, Shandell Eames <Shandell.Eames@noaa.gov>  
 Subject: Laniakea Turtle

5-22-98

Shandell and I responded to a stranded turtle at Laniakea Beach called in by Monique and Mike McHale of Haleiwa. Found turtle on the beach near the waters edge. Moved it higher up on the beach, did not resist. Tumors on both eyes, right eye completely covered. Jaw hinge tumors, front flipper tumors, and neck tumors present. No tags found. Brought to Dr. Morris for observation. Very active and strong. Dr. Morris removed 2 glottal tumors. Weight = 75.8 lbs, CCL approximately 60cm. Brought back to lab for further observations by George.

Wednesday  
 5/27

26 MAY 98 PUAKO T.W. MAC, Geo, Sandy  
 Glynnis Nakai, 3 students 15 all Puako  
 2 Scuba 20 captures immuno study

- ① PIT TAG protocol 443502 1400
  - ② Data loggers sent
  - ③ Set from venous
  - ④ East from venous
- Clark - Parents  
 2016 Bayou La Porte Dr.  
 Biloxi, MS 39571  
 (601) 385-1148

Jim B. Ellis  
 Jim B. Ellis

~~data~~ school SS# = 219-64-4154  
 1104

5/22/98 Release DMET GHB ID 5-22-98  
 SCL 63.1 PIT 407D346E2F new  
 Kawaiki Beach Park 3pm Glottal Surgery

5-28-98 Released PIT 407D298438 new Bay St.  
 Duraquid 545pm ID 5-15-98 SCL 43.7  
 Held at HKF following glottal surgery

Birgit Buchner (703) 845-0856

89

Greg Marshall (202) 429-5238  
National Geographic

Wednesday

5/27/98

SEA LIFE PARK

Tom Clark

4x4 gauge

70% Alcohol

Vanessa  
Pepi

GHB  
applied

2051 LFL

2495 RFL

89 CCL

82.6 SCL

82.1 notch

407C731C59



→ LHF

GHB  
applied

WVW 756 LFL

No RFL

407C7F417A



→ LHF

97 CCL

90.5 SCL

89.5 notch

GHB  
applied

15105 LFL

2984 RFL

91.5 CCL

87.2 SCL

407D016521-



- LHF

"J"

engrave

6493 RFL

2985 LFL

Male

407D466232



By Tom

CCL 83.0

SCL = 79.5

2061 RFL

W704 LFL

Male

CCL 92.5

SCL 87.0

407D3A087B



90

SCL  
COL 101 cm

407D247764



wednesday  
5/27/98

SLP  
CUTCOON

21 of  
20 put  
THAT

RFL 3282

RFL 15 --- Titania w/ flash

SCL - 94.8 cm

Need to  
Scan for  
Retention  
And  
Remove  
9.

NNW 762 RFL

6105 LFL ? (3)

COL 80 cm

SCL - 75 cm  
notch 74.5

407D2E6330



COL 87.0

engrave "0"

407D33653D



3285 RFL

SCL = 83.6 W 767 LFL  
notch - 82.6



4150536E3B

COL 76.0

9945 LFL

9946 RFL

SCL - 72.0  
notch 72.0

ENgrave "T"

COL - 85.0

6495 RFL

+ LFL 3287

SCL - 80.9

notch - 80.1



407D2C1749

Photos

A 4 23

4150461A51



9905 LFL

+ 2 (1 = A 23)

SCL 77.0

COL 81.0

"W" engrave

5/30  
SPL

5/29

6/1

6/1

Date: 28 May 1998 21:36:00 -0400  
From: Shandell Eames <Shandell.Eames@noaa.gov>  
To: gbalazse@onlab.nmfs.hawaii.edu, Shawn Murakawa <Shawn.Murakawa@noaa.gov>, Denise Ellis <Denise.Ellis@noaa.gov>, Rhey Castillo <Rhey.Castillo@noaa.gov>  
Subject: today's events

5-27-98 ID  
via Skippy Hau (DLNR - Maui)  
Fleming Beach, Maui

Picked turtle up from airport and took to Makai Animal Clinic. In addition to shark bite, has glottal tumor. Left for evaluation. V408, V409

5-28-98  
Brenda (Park Caretaker)  
via Wanda (SLP)  
Hauula Beach Park, Oahu

Found alive beached. Fairly small (47.5 SCL) and has glottal tumor. Took to Dr. Morris and left for evaluation.

5-15-98  
Shandell Eames  
Waimea, Oahu

Gave 1cc Gentocin in FF. Drained tank and brought back to A2 where it was measured and weighed. GHB will tag and release later on today.

5-31-98  
Madline Scherman  
Kawainui Canal, Oahu

Found resting. No change. Removed old food and left 1 squid on bottom. Also discarded 1 grey fecal pellet. Gave 3cc IM of Baytril antibiotic in 2 sites.

PP - Holistic view, take to entire animal as opposed to spots show the 91

shipped 5-28-98 TAGGED 1-16-98 AWEHI, LANAI

EV 5/29/98 TU & AA at HAWAII. Ron Lu. Issues for Sabine

EV 5/29/98 same as above

Released Bay St 5/28/98 5:45 pm. Mowies had remained glottal surgery

5/29/98 inspection AT KRF w/ Bob Mowis & AA

weight 34lbs, Force Fed w/ long hook. Removed 1lb less than arrival weight. Moved TO under covers tank due to miserably poor sea water flow in tanks next to seals. These tanks only suitable for large turtles.

5/30/98 by PTGB received call at <sup>sent</sup> home - Scott Henderson 934-8057  
sent "Real Sick Turtle starving with tumors"

5/29/98 Recovery Plans to Rene <sup>MARQUEZ</sup> #8029 6650 9758  
Alberto #8029 6650 9736 and  
JAVIER #8029 6650 9655

Need - Laura Sarti Fedex Rec. Plans + ANA + photo

6/1/98 MARTINA - <sup>sent</sup> Lot. 541-2727 Need Rec. Plans

6/1/98 Kitty - Council 522-8222 + hawk/green Slides. sent  
Need 2 more sets Rec. Plans

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To: gbalazs@hnlab.nmfs.hawaii.edu, Shawn Murakawa <Shawn.Murakawa@noaa.gov>, Denise Ellis <Denise.Ellis@noaa.gov>, Rhey Castillo <Rhey.Castillo@noaa.gov>  
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entire as opposed  
to spots  
91  
EV 5/29/98 T & AA  
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issues for  
Sabine

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Fleming Beach, Maui

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Alberto #8029 6650 9736 and  
JAVIER #8029 6650 9655

Need - Laura Sarti Fedex Rec. Plans + ANA + lab

6/1/98 MARTINA - Need (2 sent)  
L.T. 541-2727 Need Rec. Plans

6/1/98 Kitty - Council 522-8222 + hawk/green  
Need 2 more sets Rec. Plans Slides sent



Marty Weisner 881-7016

Joy Yoshino 732-8692

CARD  
Need

need

Joan Yoshioke Molokai Nat. Cons. - Turtle monitoring  
553-5236

Bob Enderson 254-5900, FAX 254-5404

Molokai - 7, 8 & 9 July

6/2/98 Pick-up #165 Box 1  
Not container TO Lumps #8029 6650 9677

6/2/98 Laura Sarti - Rec. Plans = #802966509725

6/2/98 Telen NANI Lindsey Sister  
P.O. Box 22295 UNIV AZ  
HAWAII 96813

6/3 Australia Box 2  
#144 Fedex #8029 6650 9699

6/3 Wed. #802863269867 3 data loggers 2 hr. sample  
Shippy KAV. #628 hobo TO

6/4 Katalina 3 Hobo loggers #802863269889  
119 pickup

6/3 sent Joy Yoshino + Father Delight 732-8692  
DOCAPE volunteer officer

6/4/98 Fedex Box 3 #802966509703  
TO Australia #149 Cooler  
pickup 549

6/4/98 Sent 6/5/98 Fedex Dutton #804766338940  
5 baglin + 1 cover #15 DC  
4 Stovach lumpy - 3 green, 1 hawk  
pick-up #56

6/5/98  
Sent

6/5/98

6/7/98

6/8/98

6/9/98

6/10/98

6/11/98

6/12/98

6/13/98

6/14/98

6/15/98

6/16/98

CARD  
Need

Jeanne - Richie's wife (941) 947-4854

Bausse Bonita Springs FL  
Susan Turner Hawaiian Tel

93

PAV Hana - 553-5342 July 6-7-8 GHB #39 pool  
6/5/98 7-8 Dutton "

QANTAS = 800-227-4500 need  
- CONTINENTAL -

6/5 Sponges  
Sent Guam  
Sent Wittell

SCHMERFELD, JOHN FWS Ecological Services  
300 ACAMONA  
Rm 3-122  
P.O. 50088

6/5/98 Feder Sabine KUREZ 96850 + Reagents frozen  
# 8022-0170-0624 + enzyme refrigerated  
for RDA from 4 EV neovires

6/7/98 Skelapiper Bunky BAKUTIS

1. Is number improve throughout the Pacific islands
2. Currently there is no comprehensive count of turtle populations
3. Dramatic rises in 1st population
4. plastic ID tags - Molokai "with no end 2000 in sight"
5. Northern school turtles migrate to the main HI
6. first time we've seen numbers like this at main HI  
"since 1969"
7. family consumption
8. are of the main causes at beach  
USA US
9. "Green turtles" BP Museum - most hauls  
outward for
10. NMFS / OSTWS "workshop early this fall on exempting request" ?

11. we can't make heads or tails of it" <sup>FP</sup> <sup>gill net take</sup> "Predicted upon - no ill effects - eat non-tumors" <sup>Wetzel</sup>  
Same worse, same better

12. It's not contagious

13. Maui Molerists - encounter g.s.t. <sup>turtle sign</sup>

6/1/98 T. work necropsy of frozen Hawk & frozen gull <sup>taller from Koloako</sup>  
AT Halawa w/ Shardell <sup>ultra low tissues gone</sup>  
Friday

6/1/98 A2 necropsy Alorso - 4 from freezer. <sup>need update of his database</sup>  
Thursday

6/9/98 Bob Chambers 899-1775 EXT. 12  
Telecom Maui Dive Company

ANN HARJMAN Advertiser editor

6/10/98 Telecom FAX 525-8037; 525-8000  
881-7016 <sup>Wesner</sup> 3 4yr olds from

need Mammalini

- 1 PITIS 4 cottons
- 2 Reader, Rice, Measuring tape
- 3 Betadine, Caliper, Scale
- 4 Weighing bag kit
- 5 Bombs
- 6 Data Book
- 8 All Recor. data Mammalini

OKA HANA Zoo <sup>SLP to Maui Law</sup>

CHINA AIRLINES

FL 1 6 Aug 7:20pm  
 FL 2 15 Aug 9am

630 7 Aug  
 12:20 pm

772



Contact  
96  
Petelo  
\* Swithiten

Here is my Tahiti!

AAA Hotel for Svandpa

Nancy Fitzsimmons 3365-2493  
Name = 33 79 5732

6/22/98 Fedax to JAN LANDSBERG  
Monday #511 0016881  
31 Samples Moreton Bay, Australia.

6/22 25 Moreton Bay algae/seagrass  
Pickup vouchers #595 to Dennis Russell  
Fedex = # 804766339237

Spencer JAN (530) 752-9445  
Microbiology Dept  
UNW, Calif Davis  
Salmonella & Enterobacteria AUSTRALIA samples  
25 samples \$27 each

Telecom 6/22/98 PAT Rice - 885-4965  
Need Docres David Divine 882-7696  
House 134 PUKA  
"Clearly in distress"  
6 hours. put H<sub>2</sub>O and  
Carried it over rocks, and it  
swam off.

8/26 ANDA  
734-1961  
US-Chile sun 17-21 August 08  
9 Aug. 3pm → 7pm (10 hrs) EVA AIR #807  
9-19 Aug. 10 Aug 9:25 PM ARRIVE 110 PM  
Jonnise EVA AIR = wed

SPROP Director - ME. TAMARII TUTANGATA (TAM) Cook Islands 97  
Thursday <sup>16/20</sup> Saturday - AM Sunday SPROP Samoa net  
**11 - 21 JUNE 98** MORETON BAY, AUSTRALIA  
Thursday late PM Saturday late PM

Departed 6/12/98 Friday A.M. QANTAS <sup>Arrives sat. am</sup> to Sydney → Brisbane

GHBR A. Aguirre, Marc Rice, T. WORK, Allison Beale, Beth Zimmerman  
Alexandra Hills Hotel 6/17, 6/18. SEA WORLD I 6/19 (Monday)  
TO 6/19. Friday 1 PM. 6/19 - 6/20 Saturday Alexandra Hills.  
Colinus / home = (617) 324-54056

(617) 3824-4444  
FAX 3824-4979

Tim Jessop - Univ. Queensland PhD student  
MARK HAMANN "sent"  
SEAWORD - TREVOR LONG (614) 187-56-767 <sup>FAX 617-5588-2187</sup>

Research & rescue foundation. MARNIE HORTON (Senior Aquarist)  
Wendy Blanchard (SeaWorld vet - didn't go)  
Needs - Trevor = shark book, sat. track, FP bibl (o and P articles,  
HST brochure, speef.

DAVID FLEAYS Wildlife Park <sup>Dept. Environment</sup> Queensland Nat. Parks & Wildlife Service  
Seaworld  
- P.O. Box 190 Surfers Paradise Queensland 4217

- Marnie Horton, 41 Desert Falls Cres.  
Parkwood Queensland 4217  
val@glnet.com.au

sent rec. plans

MARK HAMANN  
Univ. Q, Dept. ANATOMICAL Sciences  
Brisbane 4072  
M.HAMANN@MAILBOX.UQ.EDU.AU

JOHN WHANSLEY

sent rec. plans

TIM JESSOP  
Univ. Q Dept. Zoology  
Brisbane QLD 4072  
TJESSOP@Zoology.UQ.EDU.AU

TREVOR@seaworld.com.au

My hemmed cloth tape - 1 3/4" & 3" Both

BAS = 2 1/4" & 4"

Alonso's PARENTS = 52 721 565 70 Mexico City 902

6/23/98 Les MATSURA Audio interview  
ves of

Raymond Chavez  
Earthviews (415) 921-5043  
FAX 921-1302

Follow  
needed

Melissa Peabody  
Eric Johnson / - (415) 775-0124

FL 1024 B. AIR 7/10/98 Molokai Dollar \$43  
6:15 AM 6:40 AM #116

7/8/98 5:50 PM FL 1421 Molokai  
+ PAS HANA 553-5342 See p. 93

Butler arrives 7/7 3:42 pm Molokai  
Dined from San Diego.

Sent → Andy TAFLEICHIG  
Head, Marine Resources Div.

6/25 On office recorder  
Thurs, office recorder  
Relayed to Naughton  
Gordon "Alvo" Pts 569 831  
" Drill status 257-692  
Simulation fuel spill EXT 220  
Notifies Nitta's office  
Henderson's office  
Mock Hitting Turtles

Call an office recorder from  
Vancouver at Temp

6/29 Radio call w/ TM Clark nows  
a few each night on TRG, same as Tom

George:  
New stranding is a euth. case. It is moderate to severe emaciation, visual  
but large eye tumors, large glottis tumor and hinge tumor. I need to go  
over it this AM to get PCV and make a few notes. Should be ready for pickup  
around 10 AM. I would like to get what is about 1/2 cup of turtle milk  
ID 6-21-98

IDEXX (formerly CVD)  
Diagnostic INC.  
1-800-444-4210  
Dr. Vicky Joseph

John Collins =  
(808) 772-0833  
Bia FSI/and #364  
99

Get report?

6/22 ~~Call~~ (909) 695-3559

6/15 Fedex Tracking Oliver Manuscript #  
Chaves 8062-4748-3230  
Johannes report Fedexed to Meylan #8047-6633-8995

6/29 Fedex # 80476633895 TO Dutton  
Coles IN Saline "LL 2 of 2"  
frk #191 "806" STA-637 D.C. "

6/29 3 onset Stowaways to Ursula Honolulu  
ID 181193, 0498, 0500 #804766339010

6/29/98 Telecon start TIMES 0830. 30 minute sample  
637-4931 Parents Adrian & Bob  
Diane

Strand near Waimea Bay  
Shendell took it to Makai Clinic

(304) 724-4500 Telecon USGS BRD w. Verónica  
6/29 + Gary Brewer USGS - pre proposals

7/8/98 (Steve Brown) 925-1969 PAGER  
wed. Honolulu Weekly Bakken caretaker

3:50 PM Jessal Little - 404-4043 - 7:30 PM  
200ft South of property (16034230) of Bakken  
Residence - pulled above high tide, dead. "3ft ♀"

- 2 hours Missing LH, shark bite - 1/3 of left posterior  
- seen on page "Tags K99, K11, K13"

7/9 MARC Rice checked by Nole but ~~shell~~ not found.  
[7/28/93 squares K7, K8, K9, K10 → 42 SCL cm SCL  
7/28/93 " K11, K12, K13, K14. ] size 41.9 cm





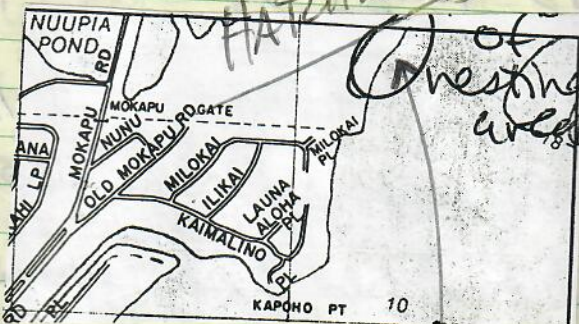


CHENG - Home = 886-2-2-735-0595

7/2/98 Longline observer training Lecture 1030-12 noon  
Attendees + Gyle & Don Jensen 1-430 pm attached

- 1) JOHN BUCHMAN
- 2) Corey Gabel
- 3) Eric Sandberg
- 4) Hugh Khim
- 5) Jack Dutton
- 6) DARREN KROCK
- 7) Melinda MOHIN
- 8) ERIC LEPISO
- 9) JAMES HOANG

Need



copies of hooking workshop report given! Dan not familiar.

Size #1 hatching tags

7/10/98  
 TO SLP ←  
 Larry Estrada

ZJ01 - ZJ99	(100)
YH01 - YH99	(100)
E901 - E999 ?	(100) ?

" sighting date: at night crabbing while from Denise Gent.  
 7/4/98 259-5065 BIANCA CORONEO  
 41-1644 Kolanianole Hwy.  
 Waimanalo HI 96795  
 "Hatchlings 10-12 seen near Castle Pt. North of MILOKAI Place (at KMCBH) Alive. "Baby green hatchlings black with white edge to flippers. Scattered over beach going down to water. Some being eaten by sand crabs."

7/16/98 10 poles w/ stainless fittings for covers to OBSERVER PROGRAM.

Need → Sat. Trucks to PANEL RPS

7/2 Captive rearing papers to Salf #8062 4748 3240

→ 7/1/98 Program Review presentation  
Wed. "Scientific Labor" Mike Seki

Brd - W-5 - washover <sup>FIRST</sup> <sup>11/96</sup> only at Kamee High tide wash over = summer 1997-50 some seal pupping  
"Monthly <sup>ANOMALIES</sup> sea level differences" BUD - Sea Levels

7/10/98 Fedex to <sup>4 PINTS</sup> LOTUS #8022-0170-  
<sup>laminating resin fiberglass</sup> 0635 <sup>ARRIVED 7/14/98</sup>

7/7/98 telecon Skippy to <sup>Shanny</sup> M. Dupree <sup>Killy</sup> Steve Williams

visited 7/7 Kealia regarding hawk nest dug by (presumably) by dog fence and sign. Jan nest - 4' diameter, 3' high made of 1/2" wooden slats, 1/2" spacing. SHADING

an issue? Fedex charged to La Jolla

7/14 Fedex to Dutton <sup>3 PINTS laminating resin</sup> <sup>ST 105</sup> Sys-4204204 Sys-420421A

7/13/98 Fedex to Dutton ID 22130, 22131

Pickup for seawork use on <sup>2 on/4 off</sup> <sup>2 on/4 off</sup> loggers  
#804766339524 & #804766338973  
Recommend "ON" 0230 1430 GMT

7/13/98 TO Kevin LL program 6 biopsy kits  
Pentra <sup>+ salt solution</sup> Cores, 206M - 500M Toys  
+ 5 applicators.

need - A2 freezer? pharmaceutical waste

Need boards to hold turtles down + velcro to LL program.

6:25 PM Friday 637-6241  
Strand Recorder 7/10/98 VERTA - Camp MOKULEIA Dead Turtle

7/19/98 WGS Telecon Maui - "Last night a VHF  
Sunday put an only hawk nest on Maui, EGGS  
likely not laid. This will be 4<sup>th</sup> nesting.

7/10/98 Brief meeting with  
Tim & Vanessa

Vanessa E. Pepi (parents) (612) 436-5961  
11501 Brookview Rd  
Woodbury, MN 55129  
email - vepipi@hotmail.com

turtle tech  
summer 998  
Need

need Marty  
which are  
oklahoma  
photo  
Kathy sent

need  
JMAEK  
PIT TAGS  
call p. 57  
J. Redheads  
Recs. Plans

Sorry Amy  
Please leave up  
A sleep in place  
NAPPING  
TIM Clark - (247-6827 = sleeping)  
247-0672

Continental Plaza Hotel LAX  
800-529-4683  
14-15 JULY 98 PUNALUU #39  
PIT TAGS INSTITUTED THIS TRIP.  
continuation of tetracycline dosing.  
Rachel Spears 959-9416  
Mike

7/16/98 Fedex check to Terry Bryan #6907.21  
#804766339329  
Seychelles 21 turtles captured. All already tagged

7/16/98 BRIEFING OF SARA  
Sem, Mike, Bud & me, Note - "low point w/ 2x or 4x photos?"  
"Perception" of a problem (seal-robbing fishery interaction)

7/16 Fedex (charged to button) ETP use  
2 Sat. trans. kits w/ ST10s, NO  
Resin (or catalyst) telones  
ID CODE - 19600 SYN. NO. - 419374A  
2/4 hours " - 19609 " " - 420414A

7/14 Jessica Little - Honolulu Weekly 528 1475  
Tues 474-2350, voice mail 528-1475 ext 43  
FAX 474-9191 Telecon interview

7/17 Tom IWA1 telecon 845-9561  
Debra Hoffman - jellyfish expert from Fla. Sting. Secretly  
Mysterious when agitated. Stingers remain 2wks in H2O  
Suggest a control area in Pond

Rebing  
Posin &  
cat.?

over  
ID's

Biopros  
extra  
workshop  
NATM

ARGOS  
FLASH li

Cleansat  
MSDS salt.

Berry  
Kreuger

Deployed  
STHs

Koffman

Need JMAAERK PIT TAGS Call P. 57

Shandell 8/21/98 Lotus FAX (246)

Hawaiian Cultural protection on KAHOD 05 TAKE on

DoubleTree 800-222-8733

7/20 Monday night

#81 AAA

8800 2679 (310) 322-0999

Humboldt! Need paint!

J. Richardson Reel plates

MOTO TOOL - charge Denise et al. Hawk paper, BARBADOS - Data sheets for hawks

BALUIS cigar Caribbean MAP wall

Refing pain & eat.?

Formal Name Barbados Project = watches Sat. predictions overhead projector, overhead FGH shirt, Salt packets, biopsy punch, MSDS Data Argos on MACK pen; Digital camera Diskette overhead

ID's 8179, 8180, 8207, 8208

(8179 DIDNT work in TELONIC FINAL TEST)

Brooklyn

kevlar roll of. dino sampling. 12th proceed article. Gifts. satellite predicts, GMT watch

extra

ANTI FOUL PAINT, Small Telonix, Argos manual, ARGOS book re. explanation (I sent to Limpus)

workshop NAIMS

MAPS - BARBADOS overheads - Taiwan, Hawaii, magnetic Pacific MAP center

LOTUS ARRIETA VERMEER home (246) 422-8839

work = (246) 422-2087; 422 0321.

MGPS

\* Shade, \* Car seat in box. MAP.

ARGOS cut out Sat. on FRAG. FLASH lite. BATTERIES AAA

Caribbean hawk Data Book "sea sheppard" Limpus mem re dispose.

Temp. graph - overhead of INVOICES? overhead in purple folder Clean Sat. predict. overhead; Rose - Fiji overhead + others

MSDS salt. Dino instructions; postal scale; Predict. date.

ETES permit, T-shirts? Gift candy

SUSSON scapular henat Specimen white paint + Blk paint

Nikonos + letter

TARD SYSTEM

Berry Kreyger Monday

27 July - 3 Aug. 1998 BARBADOS

- MARICIO GARAYUDA - Zandy Hillis  
- Jim Richardson  
- ROBERT VANDAM Lotus Vermeer

Deployed STIAs

8179, 8180, 8207, 8208 9/3 duty cycle.

NATHAN

Hale Mami BLU 669-8208 week of the 10th Aug.

QANTAS freight  
836-0688

7/20/98 Necropsy at Otakawa - T. W. Shandell, Bob Raymer Brod, AA, me

106

(1) 7-8-98A Motokai  
LFF Bone, humerus to base to Bob from to test for conizr photo #1 of orduet 50.1 50.2

(2) LATEX 6-29-98 KAWA LOA, oahu  
photos print of injecting LATEX. need - company to make vaccine - blood from Pacific KRF turtle

(3) 7-17-98 KAWAINUI Canal / Dr. Morris Brought FROM CLINIC FOR 7/20/98 TO A2 Yeagan from Shipby Han VFW Hawksbill Nest "24 JUNE 98" "Remains from Shells dug up by unid. predator. (803)

7/20 Telecon Sally Murphy 762-5015; 846-6929  
re: ST145 Jan loggheads

7/21 TUESDAY Telecon today from Marty Weisner 3 - 1 year olds 2-3 2-week old hatchlings from SLP TO MAUNA LOA

7/22 wed THURSDAY Fedex AIRWAY # 023-3953-7820 TO Cheng I-Jiang 2 prints Cameratomy, 1 ELASTORE, + 3 cloth kits w/eyar buffers, + photos of Jeanne Mortimer habe deploy in Seychelles.

7/23/98 Thursday Telecon Telecons - Polycarbon Mold " Boyle Hansen Ext. (602) 892-4444 re: saltwater Switch placement Stan 105 EXT

7/23/98 ADS ID 24186 A&BLC 19.6N 160.6W green turtle deployed months ago, but no signals received (same???) until now.

PAT MONTANIO

Dick Bradley KONA 325-6327

Telecom 7/23  
ABB JAN 2-3-4 Sept 98

Azores workshop (352) 392-5194  
name 336-7522

107

20 Aug 98 2wk Fellowship - Goddard Space Center  
SATELLITE Radar - environmental auditing, etc

SAIF = 949-2536 ILIKAI

Telecom 7/24 Leaves Hawaii 8-19

7/24 Feder TO Alberto Symposium Abstract FP Kaneohe Bay  
#8062-4748-3090

Jim Carol

7/24 Katherine TISON 941-1476  
Sabrina Pauling GOD DAUGHTER

wy BART 982-

Pauling @ OZEMAIL.COM.AU Gold Coast 9163

Dawn - (807) 573-1083 Former HPA  
(MAUI) HPA message on recorder

ILIKAI FAX - 946-9741 SAIF need maps FAX

JOHN Corbin - 239-8316 callsort

J. Polovina 1 Proposal 2 MTN 3 Bolten

~~more hatchling trays~~

need - past messages, etc  
10-1030 AM

Rhema

Zandy (340) 773-1460

Hillis name 773-1190

TO Bolten ID 23660

SDR Wildlife Computers

7/27 Feder #804766339579

98-233 WC.

Fedex Pick up 686 are trans. + manual + CONNECTION GENE.

7/29 - 7 freezer necropsies

AA + fresh dead of live

7/30 - 7 freezer necropsies

hooked by Longline (observer program)

Whitney EURE (864) 297-839

370-9281

8/6/98 MARC RICE Feder Tickets #804766339580  
\$125 for Honolulu Maui Trip



3 AUGUST 98

19th floor

Need - 15 stranding compilation  
② M. Red McCoy report

108  
Mon  
12:30 pm  
Workshop  
AMT  
discussion  
TOHA  
University

"1998 Pacific Sea Turtle Recovery  
Implementation Workshop"  
Am, Samoa, CNMI, Guam and  
Hawaii  
① prep color brochure  
② Kbay FP  
③ Jim Casey  
④ MTSG strategic plan  
⑤ workshop reports  
⑥ Bibliography

FOCUS - • advocate • protect • research • communication  
• restore • cooperate • clarification  
• involvement  
(evaluation of program - positive or negative)

What are the most significant obstacles to Recovery?  
• lack of funding • lack of people  
• clear goals & objectives • lack of people power • clear goals  
• objectives • equipment & enforcement • habitat  
• resource owners • Resource managers

The "will hearts & minds" behavior  
Gary Moniz - Voluntary Compliance  
Conscientious  
Commitment  
Resolve

"incentive to recover species"  
who owns the species? gov? the people?  
Build capacity  
carrot & stick  
owners of resource?  
Stewards of resource



Appropriate strategies for different areas/cultures  
- creative strategies -

Gerry Davis - "Analyze partnerships in relation to past similar activities"

Ray - "Each island needs to develop its own plan."  
Include Educators in the workshop.

SHAWN-ENGAGEZ "Waiatea" - Maui VHF turtle  
" ONE YEAR MANAGEMENT TRIAL" WGG  
CNMI

(sat) 109  
file copy book  
of sat. summary  
to BATS

Translations to native language  
3 Languages NMZ (need) coloring Book - translate  
4 AUG 98 Session with CNMI  
TUES. Richard Jye, BATS, Bill Puleloa  
PM John K. website - Kaniolo Beach - debris  
Gary MONIZ - "Complaint-driven"  
need - Statewide stranding network

WGG - Katalina Complaint about Mamma Lori

5 AUG 98 Adherence to values that foster conservation  
10 FPR #807351916525  
8/6/98 #807351916525  
need Cindy Hunter 923-9741  
need Rob Shallenberger 599-3914  
need Maui - Bonnie (pictures for sale) 891-2022  
(970) 482-4140 Beth Zimmerman (collect) 6385

Revised RPS #8/7  
Krony #80  
735  
191  
6385

deployed, "Y" early Aug? 98? ST10 1959/6 4 Sys No. 8463A  
FY99 RPS PROPOSAL Numbers (see p. 110)

JAW T-99-SWC-05 from Dick Neal  
check list, of 2  
RESIN = 2 QUARTS  
4 CASTRO PACKETS  
2 EMPTY MEG  
T-99-SWC-01 -> NMFS Visitor  
02 -> sat Post-haul  
03 -> Train Site  
04 -> FP  
TRANSMITTER BOX : 4 or 2 ST14s  
- specifications for Trans.  
- sat. Product w/ON TIMES  
06 -> CNMI

8/9 MILKOVIC yole & Thaddeus St  
(Cavener) name 651-1919 Brent  
110 Kaynell (248) 259-7951  
oceanic institute

HANNAN Bennett 667-0437  
SUSAN CANJA 879-3847

8/6/98 Refurb ST3 Fedex Maui 3602 HOOKAWA  
#804766339330 TO WASH HAWAII 96932  
3/3 sed ST3 4801 626-97 Refurb  
Pickup #41 processed S. 4037274 for meeting Thursday  
on Times: 0230, 1430, 0830, 2030

8/7/98 2 Quarts Resin, 4 castors + kevlar  
#802954260754 (0204)  
DAVID Ramos American Consulate Merida  
620 Logan Street Laredo TX  
78041-6246 TX (956) 725-6803

Bill Gibbons - Py

4 AUG 98 MTRP ID "8-2-98" SEL 51.0  
- HOGH PANKUKALO MAUI - Hoawa w/ Shardell  
KIT olive vidky 1901h 1937h all prep work done before w/ing  
8/7/98 Deep Hooked "Attachment went fine before w/ing" 06

8/7/98 Telecon #19596 (see p. 109) FD 19596  
"SASHA" ST10 19596 Telecon w/ High-LL observer

8/10/98 FP Articles contents international fedex to Julia #8062 4748 3207 0400  
HAWAII

8/10/98 ST10 = 6.502 = 182 grams  
magnet 2.502 = 70 grams - seems like to much  
Lotos Fedex #8062 4748 3192 0400  
photos ALBUM - contents 8/2 4:47 PM S. Pollard

Telecon 8/14 Friday + EARLIER in week from MAUI  
(246) 417 4320 Julia W. Endres  
422-0692 FAX  
Hole Town  
St. James

TAGS TO Larry?  
507-500

VR512 DIV  
20-45-25N  
156-27-6E  
4801

10713  
- call  
8/14 Friday

14 AUG FRIDAY

8/17 J  
pic  
17 AUG Monday

need 8/17  
8/17  
8/17

ABay Thu  
4 days out

TAGS  
To carry?

GCB RLLZPA  
30 Aug. FL62 905PM

Mexus Pacifico

9/14 UAR 254  
OI 747 AM 9/8

587  
5030

John Gary Pruden - 259-7951  
Vice-President Research

VRSDIVE 9 AM

90 min ; 12 NOON 90 min ;

20-45-25N  
156-21-68W

V7CZJY

18 Sept FL935 Arrive 835 PM FRIDAY  
Grandpa FL 56 Depart 1035 AM 25 Sept

Bill turned on 4801 Maui at 230pm 8/8 sat.  
Turtle nested (5th time) that night. old VHF off new one on.  
Released into water 0030 8/9 Sunday A.M. SKIPPY & Steve Inoue.  
Reverse w/casting 3/3.

10-13 AUG. 98 HONOKOWAI, MAUI 669-615 PACE, GIB, DME  
URSULA, PETER

- Denise - data to Jeff Polovina 5390  
- call Sherry Hsu egg - west site  
- call Chuck Monnett; Bleed test  
- Lupita. CCC website

8/14 Friday Terry Donnelly Tel. message 742-6029 (need)  
Blue Dolphin CHARTERS  
16 dead Turtle they found in Hawaii

14 AUG. 98 KBAY Sat, me, DME (START OF  
FRIDAY 2 Reef 42/43, 3 AOL 5 TOTAL (2 TMRs) DOUBLE PIT TAGGING  
IN MAIN ISLANDS

Osha 669-6152 PIKAKE  
Jessica Little (Monday) 623-1230

Kitty Jensen 373-3609 ← KITTY SIMONDS!  
Bennetts 669-0926 new Home

8/17 Jan Carstberg FedEx #804766339421  
pickup #107 8 Samples dinoflagellates BARBADOS

17 AUG. 98 KBAY Osha Davidson, Kitty Jensen,  
Monday Reef 42/43 = 5; ADL = 66 11 total  
I. Wark, Sabine, Kurz, A. Aquino  
Shendell Agnes CUTMRS

need 8/12 John KATHAPU - Tongan family selling handmade jewelry  
8/17 Kempii - 206 526 6514 974-6208  
8/17 Ed TANJI 244-4880 follow up

KBAY TWO DAY TOTAL = 16 (6 TMRs)  
4 days of sampling May-Aug 98 = 33 captures (16 TMRs)

with

DATA recorded + Bled

no front flippers

considerable gray

8/16/98  
Sunday  
11 AM

56 lbs

ORIG = 56.2 lb  
SCW = 49.5  
Notch = 60.0  
CCL = 64.0  
PPS = No

14-98

Helene  
Plastron = 46.4  
Head = 9.7  
Tail = T = 12.5  
C = 8.5

needs PIT TAGS

3 Tubes Blood

2 healed pyramidal plaque lesions  
3 (2+1) healing lesions

AT KRF now - ALAMONA

57.6 lbs

EU for Tiwi

8/20 EU

ID 8-11-98

Helene Phillips

(Ocean Safety)

8/14/98

Terry Donnelly

kelekele "the cat harbor"

CCL = 33"

hawai, dead floating - tumors

9 mm neck, 2 left eye, 1 eye, flower chin

HOME - 742-9485

8/17/98 DOCARE KONA TO MAKA From KAHALOU BEACH PARK

29 lbs - IN jury to head

EU on 8/29/98

Halauya by

Thermy work w/ Phoe Castillo (portofico)

8/18/98

9 pick #600 of my WE + one that should have been returned to me

Puerto Rico

to A. Bolten #80735 1916400

8/18

Reserv #8072 4237 7203

8/20 B. DIAZ

Transmitter #8072 4237 7236

8/20 B. YOSTAOK

8/18/98 Ceshi Hospital meeting - J.W., John B.

Tropical Medicine

Sandra Chang, A.A., Sabine KURZ

"Mean Peak Stimulation Index"

Log plot

need - 1) Casey Herpes  
2) Herpes SWD

Need Tim Clark  
flippers dist. for  
TDS

Mt Salmon

Feder TO ME TCDS 807429192283

FIWI ABSTRACTS 113

Mari 4801 deploy

20° 45.25' N 156° 27.68' W

8/19/98 Feder Check TO LIMPOS # 8072-4237-7199-0400  
Reimbursement pickup #162

8/19 Nitrogen Containers TO Australia # 8072-4237-7270  
Returning sent

Rob 395-7037 mobile car repair "JM"  
Janaira # 023 3470 3491 (8442) (8443) JDS Transmitters AIR  
8/20/98 # 023 3953 7805 = Resin JANAIKA

8/20 TO MARE Rice need return TCID and headcoil 2nd  
Feder Voltmeter instructions = #807351916411

8/24/98 Joan Yoshiko A sent 524-0779  
Send Recov. plan Box 220  
+ WATS Molokai, HAWAII 96757

FWS 2800 lbs Just started Domingue  
8/24 Telecon - Ian Bonnie Harborcraft 169  
Re: Boating in Kiholo

8/24 # pickup # feder 804766339340 plugs to Batten  
8/24 Resin # 8072 4237 7269 E. Nealeport 8444  
USVI (2) Transmitters # 8072 4237 7258 8/26 3:51 PM E. Centeno

8/24 feder 804783086877 feder Australian brospies TO  
Telecon there 8/25 Jim Casey (56 vials CM, 17 CC  
+ 2 vial 8-11-98 Honolulu, MAUI)

sent Camille Phillips - childrens book  
8/26 Feder Thesis TO Jeanette # 807351916433  
MS Australian Wynneken

8/26/98 Dennis Russell 8/14/98 Real algae  
(Honolulu) fuzzy sample, mailed to JTD.

8/26 Telecon Joshua Seaman Am. Samoa "E" prof  
need wed. need TAGS sent to him

Sarah Mitchell

Gray's Reef, Georgia

WWW.NOS.NODD.GOV/nmsf.html  
http://www.skiio.peachnet.edu/noaa/gmms

8/26  
sent

FP  
items

Roseanne Wutheich  
MDC

192 Maalaea Rd. 11 x 11 cm need  
Wailuku, HI 96793  
EMAC  
RTO Bob Brown  
Carahell

8/26

Wed.  
Home 5001  
935

KOLOKA PARK = 329-6881 ext. 6  
Rick GMIKIN  
Name 885-5737  
MACA DURET 324-0503

Laura Carter - Schuster = 985-6192  
Jim & Rob w/ turtle 8/26 night.  
530 am more will leave.  
Volcanoes National Park  
Board

8/27 ~~#8040~~ Fedex airline ticket to Mike McCoy #804783087119  
Board delivered 8/28 335 am

8/28 #807351916422 Fedex epoxy + diskettes TO BAG  
8/28 #804766339535 Fedex DNA's tissues TO Dutton

8/30  
Sunday

1130 am flame test on two Han Combs - fused  
smoke - hair finger nail burn small = non plastic.  
Keratin scute of turtle. Thickness - mottled color  
transparent consist w/ tortoise shell = E. umbonata  
low hard shell. Thickness > 0.5 mm = juvenile  
carapace scutes.

11 x 13 cm

11 TAG  
HA 99-116  
8-13-98 1205 hrs.

Two (2) Rouben Falls Sp.  
J. Kahrapo #184

Mailed back to him 8/31/98

Lotus home - (246) 422-8839 / New 19609 24183

FAX 422-8692

SHIGETOMO HIRAMA T55# 435-77-5529  
Box 162368 #750

Orlando, FL 32816 (407) 823-2141

Andy TAFLEIGHIG = Phone (691) 350-2294

son (860) 528-9611 115

Monday TO Mauricio GARDUNO  
8/31 Fedex 8/31/98 8062-4748-3170-0400 delivered sept 3rd 6:33 PM M. GARDUNO  
Pickup #804 (6/6) Refun 8/27/97  
#803 for delivery sys 205 920 B ST on YUCATAN 0300 1500h

MAURICIO GARDUNO  
9/1/98 Syst 2090 43C ID 22132 Pickup #111 delivered 5:24 PM M. GARDUNO  
TO Mauricio Fedex 8072-4237-7306-0400 917

8/31/98 NMI Turtle Workshop Meeting "AGENDA"  
H2 Small Conference Room - Karen Rosa, Kitti Johnson, Gene Nitti, Charles Combs!  
H2 Kavelle, Margaret Dupree, Don Schweg, Mike McCoy, Joe  
"Workshop of Discovery" Game playing  
Steve Kolinski. Leg. YAP funding example for Turtle research,  
Mike Gilbey. Develop. Coop biology Research.  
Workshop of Exploration.

9/1 Lotus tickets Fedex #8072-4237-7340-0400 #111 Delivery/Sept 3rd F. POLLARD

9/1 Shigetomo HIRAMA Pickup #804 783 086 888

FFS 25th Anniversary

1-5 SEPTEMBER FFS EXP #43  
25694 head coil 9/2 AM 4800 Geo Bar 9/2 PM  
24192 Carapace coil 9/3 PM 24194 Geo Bar 9/5 AM

9/5/98 ID Bill Puleloa Mike TO Ice house  
Pl. 1137 Aloha Is. AIR - Aerue 12 noon? #12 day  
9/5 lbs shipped 9/8 Hawaii Air cargo late P.M.

9/9/98 Necropsy by Denise & Paneyor at Hbue



need #  
116  
need to enter in tag log  
Thorne US Soil Temp = J. Herpetology

YE 01 - YE 99 (2 strips left)  
ZC 01 - ZC 99 (100) in pack  
9/8 New delivery WA 01 - WA 99 (100)  
WB 01 - WB 99 (100)  
TO Jerry Estrada + Julie WC 01 - WC 99 (100)  
WDO 1 - WDO 99 (100)  
9/8/98

# 804783087370

9/11 Fedex of Australian Histo Biopsies to Terry Spraker  
4 containing numerous yellow cassettes. pick 86

9/11 Dana KAKA'AOI  
Molokai 567-9429 Teacher Robert Howerton  
Community College PO. 471 Hoolehua

9/14 Fedex # 8072 4237 7188 096729  
TO Peter Bennett Returns Jacket various Reports 100

9/10 9-11am NHK Japan broadcasting interview  
Elizabeth Keith (Hawaii Correspondent) 2626 Hillside Avenue Honolulu  
988-7506; FAX 988-2341 MR. MASA YUKI YAMANAKA  
FIELD LIFE INC. (Native & Animal Programs) - Program on Loggerhead  
Turtle Migration.

9/14/98 Fedex 9-14-98 Hanokauri Maui Biopsies 100  
pick 81 for Poly Barney to Terry Spraker 3 vials form

9/28/98 Fedex 100 TAGS + Applicator to Steve Kaiser BAHAMAS # 807351916444  
TAG NOS. = 22-100719

\* Golf Logger to RERN Osborne Arch etc.  
\* Counter for Koby etc Sports Authority

9/21/98 Q. FINA JOB  
John Casey - phone conference dot time; freeze - JOC  
Jan Landsberg  
Peter Dutton  
9-17-98 exam IN PM  
Photos, Tom & Andy  
Need to write emails linking everyone

add to my

Telecom <sup>Prosecutor</sup> Craig Nakamura - 541-1823 <sup>EMONTAS Probation 200 call service</sup> HALLM = Handyman 395-9203

9/9/10 <sup>Observer</sup> John Buchan <sup>SCL</sup> 9608 58.0 cm + light removed <sup>117</sup>  
Eric Sandberg <sup>SCL</sup> 19590 57.7 cm + ~~light~~ light removed  
<sup>See Below</sup> 522-8245 small 28 cm no tissues

<sup>http://www.turtles.org/special/gunidb.jpg</sup>  
John Wall (513) 221-3411 <sup>800-560-6107</sup>  
<sup>KBAY video 9/21</sup>

<sup>#1029</sup> Dennis - 40 ABNF 800 190 <sup>STAYING AT ALAN DOWNS</sup>  
Russell <sup>441-7275?</sup>  
<sup>need - I.D. # from Alan</sup>

9/14 Request 3-4 slides for debris slide show <sup>for Vic Honda</sup>  
entangled turtles

9/14 Telecom Eric Sandberg EC5 T.V. d.1 <sup>MISSING OUTPLUGS</sup>  
LL 209 SCL - 028.5 CCL - 32.0  
<sup>Species = he says green need to check</sup>

Found water at observer office <sup>3/27 - 4/4/98</sup> FF miles GCB # = #  
New or born night 11/24 back Sunday 11/29 Providence, RI

Needs were <sup>depart Monday PM</sup> 14-18 SEPTEMBER 98 MEXUS PACIFICO (GULF) <sup>Actual Meeting 16-17 & 18th</sup>

9/16 "JOINT Research program" <sup>Management & Research hand in hand</sup>  
Wednesday "Acknowledging that nature is dynamic"  
Sherry - Kemps interannular variation - need to compare to FPS, Heron etc.

downlist Endangered to threatened <sup>How many meetings 1/15-1/19/99</sup> Interim Scientific Committee  
12.7 LL vessels Hawaii's. Satellite track dive immatures

Invitational Travel for Javier (or staff member) to Symposium <sup>OR BOTH</sup> (or Hawaii again)?  
at J. Nicholls - Caretta fished seen? key factors used  
Gery Schoyana - sharks - Age at first maturity & size of brood.

Eric Fixtures "DAVIDSON AND R-F RNA friendly"  
Brenowitz - resident of (Mammal Assoc) sent letter to Mexican President "Adventures" <sup>Need - search for loggerheads</sup>  
Demographic "Biologic" Rene = Chavez 1967 <sup>Tumor on Kemp's photo</sup>

"Patho physiological condition" overall health status "Subacute Conditions"  
changes to Adrenal Glands indicate stress. <sup>1993-97 nests (1000) LA ESCOB. 11A Graph</sup>

Need 118

Obenue name

Need Macadamia nut  
Candy for Tom Bickford FPR meet  
Need - Loggerhead diet - Bill Cooker  
John Hunter  
AT Neurology - Olive - Stover  
GOB

PEDRO ULLOA  
PULLOA @ BUZON. SEMARNAP. GOB. MX  
INSTITUTO NACIONAL DE LA PESCA

OSCAR M. RAMIREZ FLORES, Head DIVISION  
ENVIRONMENTAL ASSESSMENT Sustainable Development  
PITAGORAS #1320  
COL. STA. CRUZ ATOYAC, Mexico, D.F.  
ORMIREZ @ BUZON. SEMARNAP. GOB. MX  
TEL. (525) 688 1548  
FAX (525) 6012793

need

9/17 Sat. Trans. kits  
1968 LL & 1959 kits Returned  
Live - EU

9/24/98 3/29/91 N 778, 79, 80 Tagged Green Reef, WAIKIKI  
37 lbs 48.9 SCL  
88 lbs Recovered kahalo SCL =  
3 Hawaii - Rotten no sign of oil  
4 Live - EU

fix kit  
with  
2 TOMO  
Lows volume  
AD BARRIOS

Professor  
Cyrus Hunt - Partner of Julia  
Betadine  
Betadine pads Alcohol  
1750

Need for 193  
Osborne  
Salt packets  
PITTAGS 50  
50 formalin 75 freeze  
6ml 2ml  
Alcohol  
Pads  
Alcohol  
Pads  
Alcohol

add on cover  
video #

Scale  
Speurman - Hump  
Regu  
Chaf  
M.N. Pocket Reader (Deston)  
Small scalp  
Hawaii BIRDS  
ounces need  
+ need instructions  
(see Tim Clark)  
forestry hemostat  
Masking pen  
Soft freezer-cooler bag

Summary of release data for 7-08-97 and 7-09-97 Kaneohe Bay green turtles held at KRF  
for T. Work - USGS / NMFS Immunology Study

Marine Turtle Research Program  
Honolulu Laboratory  
National Marine Fisheries Service

Turtle Pit ID #	Release Date	SCL (cm)	SCW (cm)	Notch (cm)	CCL (cm)	CCW (cm)	WT (lbs)	Plastron (cm)	Head (cm)	RFF (cm)	Tail T C	Tumor Score	Amount of Liguamycin (cc) upon release
1 0C	8-04-97	43.0	37.0	42.4	45.5	42.0	22.0	---	---	---	---	0	1.0
2 03	12-12-97	53.9	44.3	53.8	58.0	52.0	47.0	43.7	8.7	9.7	12.0 8.5	0	2.3
3 28	2-26-98	58.9	45.7	58.5	63.0	54.0	64.0	47.2	8.9	10.1	13.0 8.5	0	3.0
4 22	3-10-98	45.6	37.6	56.3	48.0	42.5	32.0	37.7	7.8	8.2	11.0 7.5	0	1.7
5 70	3-10-98	56.6	43.3	56.3	60.0	52.0	63.0	46.0	9.0	9.9	13.0 8.5	0	3.0
6 00 *	3-10-98	53.5	40.6	52.1	58.0	48.0	54.0	43.6	8.4	10.1	13.0 9.0	1	2.3
7 50	3-10-98	50.2	40.9	49.9	53.5	48.0	46.0	42.3	8.4	8.8	11.0 8.0	0	2.3
8 17**	3-11-98	50.5	39.9	50.2	54.0	48.0	43.0	40.1	8.2	8.7	12.0 7.0	0	2.3

\* Previously applied flipper tags RFL R22, LFL R30, LHF R31 (Only R31 found on turtle when captured)

\*\* Flipper tags LFL 203Z, RFL 204Z applied 3-11-98

AGAE/GUT TO Dennis Russell for ID

47 Samples sent 3/24/98  
251 Samples - Landsberg <sup>Biopsy</sup> Project

Andy Tafelberg Email Address: mrmadyap@mail.fm

21 Sept 98 <sup>Monday</sup> KBAY 2-16 boats - T. Work, Shigetomo Hikima, Geo. Denise, Shawn, ME

① Snorheled Reef 43 <sup>10-15 seen</sup> <sup>no attempts to catch</sup> ② caught on Reef 42  
③ AOL boat dwe - 3 caught. Blood + Biopsies for histo & <sup>more</sup> TMS =

21 double fit tagged TOTAL Captured =

23 Sept 98 <sup>Wednesday</sup> KEAWANU <sup>no #</sup> Tomo, Andy, Laura Sarti, Cotus, Anna Rillero, Danny, Anna - Mary  
H/A team Captured =  
Big ISLAND Blood, 21 double fit tagged

25 Sept 98 <sup>Friday</sup> KBAY 1 boat. Tomo, Lotus, Denise, Geo. ① MARK'S Reef.

vessel? Hoky fight there - helmet hoses.  
few turtles seen. <sup>none caught</sup> <sup>no comment</sup> dead forbes seemingly due to Echinus ALG?

② AOL boat dwe. Tomo and Lotus training.  
TOTAL Captured = TMS =  
one turtle biopsied - different appearing tumor

9/25 - After KBAY did quick drive of Oahu - viewed Friday turtle feeding at Popsia Rd, Kanies area Right of way.

9/26 <sup>Sat.</sup> Shawn took Cotus to SLP - met there by Laura Sarti & Anna Beringan.

add concerns

JOHN & Betty CHRISMAN  
7667 ADOMA TRAIL, YUCCA VALLEY, CA 92284

Patrice & Scott ERWIN  
56131 YUMA TRAIL 92284

8442 > Jamaica  
8443 > Jamaica

TAG TYPE?

8444 > deployed 9/17  
~~Antigua~~ USVI

BUIS TAG PPW840

8454 > deployed 9/18 USVI

BUIS 98D374

8455 > deployed Antigua in 10/2 came back for 5 tuning after  
attachment of transmitter

JIM NORTON  
FIBERGLASS  
HAWAII

PLASMA VIALS

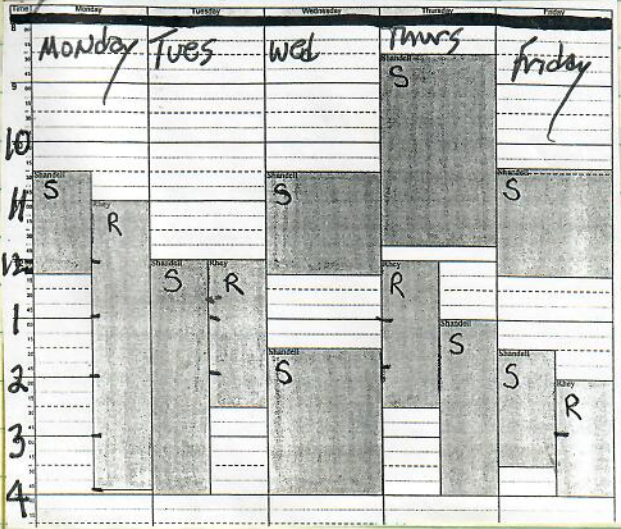
4/11/97 ID strand EU by AA <sup>Ren Lu TISSUES</sup> 4/5/97 one vial each, 2 Tubes PLASMA  
 4/21-4/23/97 Kiholo #2-1 19 plasma + 19 RBC + 1 hawk <sup>2717 27cm</sup>  
 4/16/97 ID Malibu Maui strand <sup>TAR - KRF Tube plasma 1/5</sup>  
 6/9/97 ID Haleiwa - live strand - collected by Bob Morris <sup>2 vials</sup>  
 Died night of 6/10, TW/AA, necropsy 6/11 AM w/ner  
 5-28-97 ID Haleiwa <sup>EU 5/30/97 plasma</sup>  
 5/30/97 ID Raley Bellows EU 5/30/97 plasma  
 7/7/97 slow green strand from Maui <sup>EU TW, 1 Tube plasma + RBC</sup>  
 7/24 KBY 3 vials + RBC  
 8/9/97 ID Kahi Lagoon TW=15023-1 EU 2 Tubes plasma + RBC

5/98 NOT up to date

ID

6/16/98 STRAND KANALUA KBY Recovered ST10  
 3 vials <sup>Preserved</sup> SAT. TAG 24179  
 Moved from PUNAHOU TO KBY  
 EU-Necropsy by AA in A2 on 6/23/98 Tues.  
 Photos w/ slide camera, overposed.  
 24179 ST10 sent to refurbish internal Helip.

You are the MATSU  
 You are the Makaki  
 You are the blades  
 You are the spirit of Hawaii



517  
 ID CODES  
 TESTED AT  
 TELONICS  
 2-28-98

ST-105

Rob Bassett  
 rbassett@nesdis.noaa.gov  
 satinfo@nesdis.noaa.gov 123

19600, 19601, 19602, 19603, 19604, 19605, 19606,  
 19607, 19608, 19609, 22130, 22131, 24179,  
 24188, 24189, 3/1 = 24187, 24190,  
 24192, 3/13/98, 25689, 3/1/98  
 22530, 22531, 23657, 58, 9, 60,  
 23661, 23662, 25312,  
 25313

Hawaii WCs det

to TD Bolton

NEW ONES ISSUED (4/98 01092: (30 Total)

22530 (35) (6)  
 23657-62 (6)  
 24747-52 (6)  
 25312-17 (6)  
 25358-63 (6)

699-1386 909  
 -18  
 + 25312, 25313 = 20  
 25314-19  
 6+4=10

20 to Wildlife  
 computers  
 5/98

Hawaii WCs det

TO TELONICS (8) 5/98  
 25314 25358  
 25315 25359  
 25316 25360  
 25317 25361

Old ID's ALL used in Florida Work:  
 22128-29 (2)  
 25688-92 (5)

NOTE 5/98 25689, 25691

25690 used in ST10  
 BAS HAS for REFURBISH need TO TRANSFER ANSWER =

CAN use? or  
 already recently  
 used?

What happened to 22127  
 transferred to bats after 11/98  
 Refurbish for her  
 Sent to MONA - hawtsbill/  
 Carlos & Robert

ST14's IN my office As of 5/98:  
 New 24694 - (unit Mike Salmon bought) used 9/98 PFS  
 ST3 Refurb 480 (used on Maui hawtsbill by WCG 8/98)  
 ST3 Refurb 22126

ETP = 19609 2 hours on / 4 hours off  
 19600 1 day on, 9 days off  
 SEAWORLD = 22130 2/4  
 22131 2/4

Fiberglass Hawaii Inc. 847-3951  
 1377 Colburn FAX 841-2108  
 HONOLOLU, HI 96817



List of platforms belonging to a program

Program number: 01092  
User code: BALAZS

Refurb:

Date modified: 03-Jan-1996

Site: USA

Number of platforms: 25

Meteorological code:

7288 ST-103  
7299 Added to by program

Platform	Service	Center	Type	Class	Sensors	Alarm	WMO n	Date modif.
04800	S	U	-3	4	9/97-06	N		20-Aug-1992
ST3 04801	S	U	-3	4	9/97-06	N		20-Aug-1992
04802	S	U	-3	4	9/97-06	N		20-Aug-1992
ST3 04803	S	U	-3	4	9/97-06	N		20-Aug-1992
04804	S	U	-3	4	9/97-06	N		30-Aug-1993
ST3 04805	S	U	-3	4	9/97-06	N		21-Aug-1992
04806	S	U	-3	4	9/97-06	N		21-Aug-1992
ST3 04807	S	U	-3	4	9/97-06	N		21-Aug-1992
04808	S	U	-3	4	9/97-06	N		21-Aug-1992
04809	S	U	-3	4	9/97-06	N		21-Aug-1992
22127	S	U	-3	4	9/97-06	N		21-Aug-1992
ST3 22128	S	U	-3	4	9/97-06	N		20-Jan-1994
22129	S	U	-3	4	9/97-06	N		20-Jan-1994
T10 24179	S	U	-3	4	9/97-06	N		20-Jan-1994
24180	S	U	-3	4	9/97-06	N		30-Aug-1995
24181	S	U	-3	4	9/97-06	N		30-Aug-1995
ST3 24182	S	U	-3	4	9/97-06	N		30-Aug-1995
24183	S	U	-3	4	9/97-06	N		30-Aug-1995
24184	S	U	-3	4	9/97-06	N		30-Aug-1995
24185	S	U	-3	4	9/97-06	N		30-Aug-1995
24186	S	U	-3	4	9/97-06	N		30-Aug-1995
ST10 24187	S	U	-3	4	9/97-06	N		30-Aug-1995
24188	S	U	-3	4	9/97-06	N		30-Aug-1995
24189	S	U	-3	4	9/97-06	N		30-Aug-1995
24190	S	U	-3	4	9/97-06	N		30-Aug-1995
ST3 22125	S	U	-3	4	9/97-06	N		20-Jan-1994
ST3 22126	S	U	-3	4	9/97-06	N		20-Jan-1994
22130	S	U	-3	4	9/97-06	N		20-Jan-1994
ST6 22131	S	U	-3	4	9/97-06	N		20-Jan-1994
22132	S	U	-3	4	9/97-06	N		20-Jan-1994
ST3 22133	S	U	-3	4	9/97-06	N		20-Jan-1994
ST3 22134	S	U	-3	4	9/97-06	N		20-Jan-1994
ST4 24191	S	U	-3	4	9/97-06	N		20-Jan-1994
24192	S	U	-3	4	9/97-06	N		30-Aug-1995
24193	S	U	-3	4	9/97-06	N		30-Aug-1995
24194	S	U	-3	4	9/97-06	N		30-Aug-1995
24195	S	U	-3	4	9/97-06	N		30-Aug-1995
24196	S	U	-3	4	9/97-06	N		30-Aug-1995
24197	S	U	-3	4	9/97-06	N		30-Aug-1995
24198	S	U	-3	4	9/97-06	N		30-Aug-1995
25688	S	U	-3	4	9/97-06	N		30-Aug-1995
25689	S	U	-3	4	9/97-06	N		30-Aug-1995
25690	S	U	-3	4	9/97-06	N		25-Aug-1995
25691	S	U	-3	4	9/97-06	N		25-Aug-1995
25692	S	U	-3	4	9/97-06	N		25-Aug-1995
25693	S	U	-3	4	9/97-06	N		25-Aug-1995
25694	S	U	-3	4	9/97-06	N		25-Aug-1995
ST4 25695	S	U	-3	4	9/97-06	N		25-Aug-1995

Refurb  
2312  
707  
BAS  
Sent to her  
10/11/97  
S/S 2094  
FB  
2212  
#1114  
K 11/8

25688 Request  
Melba  
8/97  
new  
TRANS  
PUT ON

8/1996 By B. Schroeder. BAS  
#1114  
#1114

FB TOTALS  
= CTRL V 6,36  
View = shift F7, then Hit 1  
= CTRL V 4,2  
Superscript = CTRL V + FB  
1. size 1 superscript  
in office 25694 is ID now for Mike Salmon order, not 25693

5/97 ST14 order (cash)

1/97

TO MA  
313  
14  
11/18/96

25694  
Telonics  
1231  
2/198  
for Melba  
Roof 707

FAIL SAFE = 11  
013

ST14 Temperature value  
for conversion = 256

125

28] From: Denise Ellis 4/12/96 11:59AM (518 bytes: 15 ln)  
To: George Balazs  
cc: Shawn Murakawa  
Subject: net count

NOAA 11 = H  
12 = D

NOAA 14 = J  
15 = K

we have exactly Message Contents

- 2 - 5'x50' w/floats
- 2 - 8'x50' no floats
- 1 - 5'x100' w/floats
- 1 - 5'x100' no floats
- 2 - 8'x100' no floats
- 1 - 8'x300 w/ floats
- 1 - 12'x400' no floats

ID Code ST3 ST14  
8-bit Temperature  
16-bit Last Dive Time  
16-bit Average Dive Time Over "AVGINT" Hours  
16-bit Dive Count for Last "AVGINT" Hours  
2-bit Failsafe Flag  
6-bit Dive Count Since Last Transmission

ST10 = 16 bit  
16 bit

MESH =  
44cm (17")  
Knot to - knot

ME #1093 LUS  
#9093 ALP AI

DECIMAL	HEXADECIMAL	PERI
19600	32401	045
19601	32452	045
19602	324A7	045
19603	324F4	045
19604	3251E	045
19605	3254D	045
19606	325B8	045
19607	325EB	045
19608	3263F	045
19609	3266C	045

SCOTT  
eckert  
1277  
Red Kennott  
1852

Date: Wed, 15 Jan 1997 07:45:27 GMT  
From: useroffice@argosinc.com  
To: gbalazs@hnlab.nmfs.hawaii.edu  
Subject: Re: Transfer of ID codes for program 1092 to ADS

As requested PTTs 19580 through 19589 have been added to your ADS.

OMPAG  
TDPs  
M.T.D.M.S

N=10  
P.O.  
9/97

All LL  
97

DECIMAL 107A  
HEXADECIMAL LUS

DECIMAL	HEXADECIMAL	PERI
19580	31F03	045
19581	31F50	045
19582	31FA5	045
19583	31FF6	045
19584	3202E	045
19585	3207D	045
19586	32088	045
19587	320DB	045
19588	32131	045
19589	32162	045
19590	32197	045
19591	321C4	045
19592	32210	045
19593	32243	045
19594	322B6	045
19595	322E5	045
19596	3230F	045
19597	3235C	045
19598	323A9	045
19599	323FA	045

9092  
10 New ID codes  
1092  
LUS

40 ABNF  
70 1130  
4/23/97

BAS  
#1490  
CHONG  
#1269  
GALVESTON  
#193  
MMRP  
#9114  
NARC  
#1440  
SEAWORLD (SE)

stew  
70

GCB 00620977926

DAL 2168570410

KF 185678

244422345

AA BF09158

800 -

UA 241-6522

HA

1521997

CA

800 -

CHINA AIR - 955-0088

International  
 (800-231-0832)  
 (800-523-3273)  
 (800-525-0280)  
 800 -

NW

800-225-8900

PIN 4963

838-1535  
 800-367-5320  
 MAINLAND

George,  
 In looking at the Annapolis Book of Seamanship, the formula to determine  
 distance that an object can be seen from sealevel is  
 $1.144 \times \text{square root of the height of the object in feet.}$

$1.144 \times \text{sq. root of } 14,000 \text{ feet} = \sim 135 \text{ nautical miles.}$

### FIELD WORK IS THE FOUNDATION OF NEARLY ALL ELSE.

Date: Tue, 27 Jan 1998 11:10:39 -1000 (HST)  
 From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
 To: Sheryan Epperly <sepperly@HATTERAS.BEA.NMFS.GOV>  
 Cc: Karen Bjorndal <kab@zoo.ufl.edu>  
 Subject: Answers for In-Water Short Questionnaire (fwd)

Reduce  
& Glue

CORRECTED version- some minor mistakes in the one I sent you earlier  
 today. Please replace with the one below. Aloha, George  
 \*\*\*\*\*

----- Forwarded message -----  
 Date: Tue, 27 Jan 1998 08:26:49 -1000 (HST)  
 From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>  
 To: Sheryan Epperly <sepperly@HATTERAS.BEA.NMFS.GOV>  
 Cc: Karen Bjorndal <kab@zoo.ufl.edu>  
 Subject: Answers for In-Water Short Questionnaire

As follows, by numbers for each question:

1. Pacific Islands Ocean Region
2. Benthic habitats of the Hawaiian Archipelago and other selected insular islands of the U.S. Pacific, and pelagic habitats of the North Pacific.
3. Initially small scale in the Hawaiian chain at Kiholo Bay, Island of Hawaii in 1972. Considerably expanded throughout the Hawaiian Archipelago starting in 1976.
4. Samplings occur 1-6 times a year at multiple designated study sites. Pelagic samplings are continual in conjunction with high-sea longline observer program which includes both flipper tagging and satellite telemetry.
5. Pelagic loggerheads, olive ridleys, green turtles and leatherbacks of all post-hatchling sizes/life stages. Post-pelagic (juveniles through adults) greens and hawksbills in benthic habitats.
6. Health assessments are included as a basic foundation of the work. Screening and quantification occurs for fibropapillomatosis, parasites and other disease aspects. Blood and soft tissue samples are collected for analysis and ultra-freezer banking.
7. Estimates of abundance are attempted experimentally as part of the development of computer simulation models for sea turtles (by J.A. Wetherall).
8. George H. Balazs, Zoologist and Leader, Marine Turtle Research Program.
- 9 and 10. Complete mailing address, fax, phone and email appear below-



Precode = 8/FR6500/  
128  
MINUS 10.7%

RPS ADD-ONS

JAW = 8L1A7A7Ø

22.4K ✓ 8L2BER72

S. Pacific Sea Turtle Training

217.3K ✓ 8L2BER71

FIBRO PAPILLOMA RESEARCH

196.0K ✓ 8L2BER74

Post-Hooking Survival

8/FR6500/ ✓ 8L1AHT79  
PPA

PPA

278.0K

1.5K 8FR5010 8L2BERPA → Long line Observer  
FKP300/8L2BER00 → BARBADOS

U521 TUTU  
F765 McTAGGERT  
A240 Shredder  
U359 Mendelbrot  
U362 LH Remov 25  
U249

~~U355, U359~~  
~~U357~~

6/98 EAST FFS by TIM & Vanessa

Sara Mitchell WWW.NOS.NOAA.GOV/nmsp.HTML2

LAJOLA Fedex = 092111555

8L1AHT79 = <http://calamari.ucsd.edu/om/>

<http://www.turtles.org/ffslandØ.htm>

" " [www.turtles.org/ffs25.htm](http://www.turtles.org/ffs25.htm)

" " [www.turtles.org/ffsn36.htm](http://www.turtles.org/ffsn36.htm)

Sandy Brown  
Wildlife Computers  
16150 NE 85th Street # 226  
Redmond, WA 98052 USA  
Tel: (425) 881-3048  
Fax: (425) 881-3405  
e-mail: 72102.721@compuserve.com

HGB 654  
Toshiba GBØ 239

Dutton Fedex = FR6317 827-82853

All Fedex 9 WGN 4071

Hawaii USA Area code = 808

Jocelyn Chong 711 HOAWA, HONOLULU 96826 page 299-9787  
949-3273, ~~949-3273~~

GOLDIE 395-5226; Cheryl Matsumoto 395-7835

Eileen page 577-9947 Tom & Shirley FAKE 395-9711

STIMOSE 734-4921; Mary Ann Cheng - 395-0775  
PAUL

CORA MUKAI - 486-5352

ST. PATRICK - 734-8979; APTEN SCHOOL - 732-0111;

Bill Gil MARTIN AND CASEY JAEVAN = 293-9558

SHAWN MURAKAWA = home 671-5135 page 641-4498 office 943-1276

Bob and Sally MORRIS Home 254-1740 office 262 9621

MARC Rice (Big Is.) - office 881-4004, home 885-4965

Larry and Karen Sakoda - 396-4077

Mike & Renee Church - 396-3849

BGHT654  
BGH TUR

BAS F/PR FEDEX ACCOUNT = 1510-2220-0  
www.travel.state.gov Block 2 "Billing" FH060828283VH9

my phone numbers are: Home 00971-2-265668  
Office 00971-2-414441  
Mobile 00971-50-6513513

"Salam" Office (971)-2-319-317  
Saif Al-Ghais FAX (971)-2-349-154

ARGOS -  
www.AROSINC.com

osha  
osh  
osh

ARGOS Tracking

http://www.npwrc.org/resource/tools/telemetry/argos.htm

NORATRAVEL

https://apollo.iso.noaa.gov/fima/owa/travel.travng.query

TWITte AZ neworsy 5727

New HL  
ME

983-5733 STRANDINGS/SHAWN = 983-5730 6666  
9999  
5731 shawn  
5732 Denise

FAX 983-2902

WWW.XTREMENE.NET /NEWSIEY 5734 shandell

