

G. H. BAHAZS

808-943-1240
395-6409

MARCH 95 - MARCH 96

G.H. BAHAZS

2 OF 2

1995-1996

See Rec. PLAN

Xerox

PLASMA ^{med} BANK

↓

PAGE 9, 10, 14, 30
38, 41, 68, 86, 93
103, 176, 101, 102

GRACY K

Xerox
TAPERS
FLIPPERS

SLP
Xerox P15
35

P. 18, 31, 41
SAT. TRANS
P. 27

890

Mavis
X-RAY
LONTHER 2/4/96

Bertram footage? FWS?
4/13/95 CANYONS

P. 87
Hawk
P. 87

P. 19, 17
Bottom
28, 30
41, 68
86, 90, 93
104, 107, 109
P. 41
HAWK
NESTING?

8/6-1 ^{cut} "ON" 6AM 8/7/95 LOCAC LC3 at Research Station = 23.357°N 119.496°E
ID 6635, System 365786A

8/7/95
MONDAY
NIGHT

Note - plugged hole 0.5cm diameter, Right ventral ~~at~~ anterior. (?)

(3)

AMY WONG
new grad. student

ECC - 99 cm SCL = 92 cm
INCONEL 681 =

TAGGED
EARLIER
THIS SEASON:

TW143 LFL, TW137 RFL
TW136 LH, TW147 RH

Huilung Beach

Beach is near =

林頭角 "Forest head corner"

6AM STRET Attachment -

740 AM release.

Gum Bumpy right shoulder

Above turtle seen ashore ~ 330 AM adjacent to excavated area (sand mining), Huilung Beach. Did not lay, (Stopped here), it tried to crawl back to the water.

Box "trailer" by motor cycle.

Should have good photos (prints) lifting box to release photo. Predominantly dark shell - photos series of attachment.

Mr. Yang searched for ^{ID} 4240 twice today, but it was not located.

Later in the day I saw sand mining - making of large cement "Jacks" for harbor construction - but "Yang beach" - with adjacent signs for turtle tourism.

need map
near of
Wan-An

need
length map

8/7-8/8/95 All beaches monitored, but no
 MON. TUES. turtles up. High tide falls at
 ~ 6:30am. First light about 5am.
 Drove to "Long Beach" - noted sand
 mining to make cement "dike" for harbor -
 Cement ~~was~~ already present. Walked
 to end of beach - no evidence of
 nesting this season, however, typhoon
 2 weeks ago may have erased (I-Tuning
 says none here this season). Small
 blue boat and "fish bomb" witnessed offshore
 here also.

8/8-8/9/95 night (5)
 TUES. Wed.

need
 tide
 chart
 for length
 Monitored beaches starting early
 because of high tide (~ 11pm
 estimated). Updown "V" track
 on Hiking Beach ~ 9pm.
 AT ~ 11pm I walked "Long Beach".
 Long up-down track fresh to log & sign
 right in front of sand mining area.
 I photoed. No other signs of
 nesting. Patrols removed ~ 1km.

8/9/95 deploy 4240
 Wednesday both
 LC=2

8/8 = 23.5°N 118.7°E deploye
 8/9 = 23.5°N 118.4°E 119.5
 MOVING AWAY ALREADY?

"GRAVEYARD SHIFT"

"Removed ourselves from graves of ancestors/family
The graves of our ancestors"

"Moon Festival" - ~ Aug 15th.

EGGS NO SIGN Devel. $111 + 6 = 9$ (1) 2 cm total (1 cm SL)

= 10 egg sample from night 1 excavation for media.

8/9 - 8/10/95
WED. Thurs. NIGHT

(6) "Long Beach ID # 6636
EXISTING TAG SN 365789 A
TW 196 nested 26 July 95 Long Beach
close to same location,

CL-
SL-

SL = 14.6 RFF

APPLIED
New LFL TW 066
(None on LFF)

Release 8 AM

Photos crawling in excavated sand
Sonic Attached, and tracked by Mr. Yang -
23m deep water off Tien Thi Shu.
Not visually seen.

MR. YANG
Attached Sonic
trans. up to
noon, turtles
off Heaven
Gate Beach

Turtle - came up within 1 meter of
up track of NIGHT 5. Crawled around
near new cement "dice"

8/10/95 Departed Wan-Am on fast boat ~ 1 PM.
Thursday Depart Makung 230 PM "FAT" airline -

NAN KANG

8/10/95 TO Teachers Hostel. \rightarrow Dinner at ^{11:40} cafe
Thursday across street.
Fisheries Research
Institute -
Tai Tung Branch

sent ♀s
helpers

洪洛珊
嘉義市垂楊路572巷23號

8/11/95
FRIDAY

林淑夏
嘉義民權路330號(興南村)惠安街31巷23號

need photos

CCL

- 4 E.i. 34-39 cm
- 4 L.O. 31-52 cm
- 1 C.C. 73 cm
- 22 C.m. 40-52 cm

+ one larger
C.m. not
taken out
 \therefore 32 T

TRACED = 9
46, 41, 47, 44
44, 45, 44

(DONATED ITEMS TO I-Jinn's project)
MR. TRAVELED WITH =

CHIM JZA CHI (see card)

BONES in BOTH HOLDING TANKS.

Departed 8/11/95 Friday at 9:30am
for eastern Asian Transport (EAT) for
Taiwan. Rented car and drove to
Fishery station. 32 Turtles in
2 holding areas. Beautiful, idyllic
coast - green mountains.

20

F07
DNA Study

ADDRESS

	note	CCL	Species
	~0.5 cm CCL under Estimated	39	E.i. —
		45	C.m.
		42	C.m.
8/11/95	① TRACED	41	C.m.
		35	E.i. —
	② TRACED	46	C.m.
2 C. Testunaria		38	E.i. —
		41	L.O.
		46	L.O.
Black Dark carapace		50.0	C.m.
		45	C.m.
③ TRACED dark carapace		47	C.m.
		42	C.m.
④ TRACED		40	C.m.
		42	C.m.
⑤ TRACED dark ^{carapace} close up photos of HF's		44	C.m.
		52	L.O.
PC's miss	est.	44	C.m.
WHIRL PACKS ↑	⑥ TRACED	44	C.m.
↓ ZIPLOCK		31	L.O.
		51	C.m.
		47	C.m.
⑦ TRACED		45	C.m.
		34	E.i. —
		50	C.m.
⑧ TRACED		44	C.m.
		48	C.m.
		52	C.m.
⑨ TRACED		43	C.m.

64 Need = skulls for I-Juana

Air Ticket stub =

- Taiwan Turtle region book - I-Juana & Hurling sent

8/11/95
Friday

I-Juana's Name on coloring book?
- CITES SI/col/TAG #s 42
- Corresponding for Limpus vial #s 73

C.M.I.
M.M.C.C.

Given to I-Juana/
8/12/95 in Tupperware 31 Turtles total
including Humerus DNA R/L 6mm SKIN
from Wan-An. SKIN

Departed Taichung ~ 6pm, 45 min. to
Taipei. Taxi to Teacher's Hotel (GOOD NT NIGHT)

29 NT =
\$1 U.S.

8/12/95 Meeting w/ Rotary club members
Saturday regarding donation to SREOP
Bus from Taipei airport to CKS
Depart CKS airport CX-450
Cathay Pacific - to Narita 2 hr 50 min.
Flight.

Cards =

8/12/95 NW FL 22 840pm to Honolulu
arrive 8/12 905AM

Thane-(205)934-4419

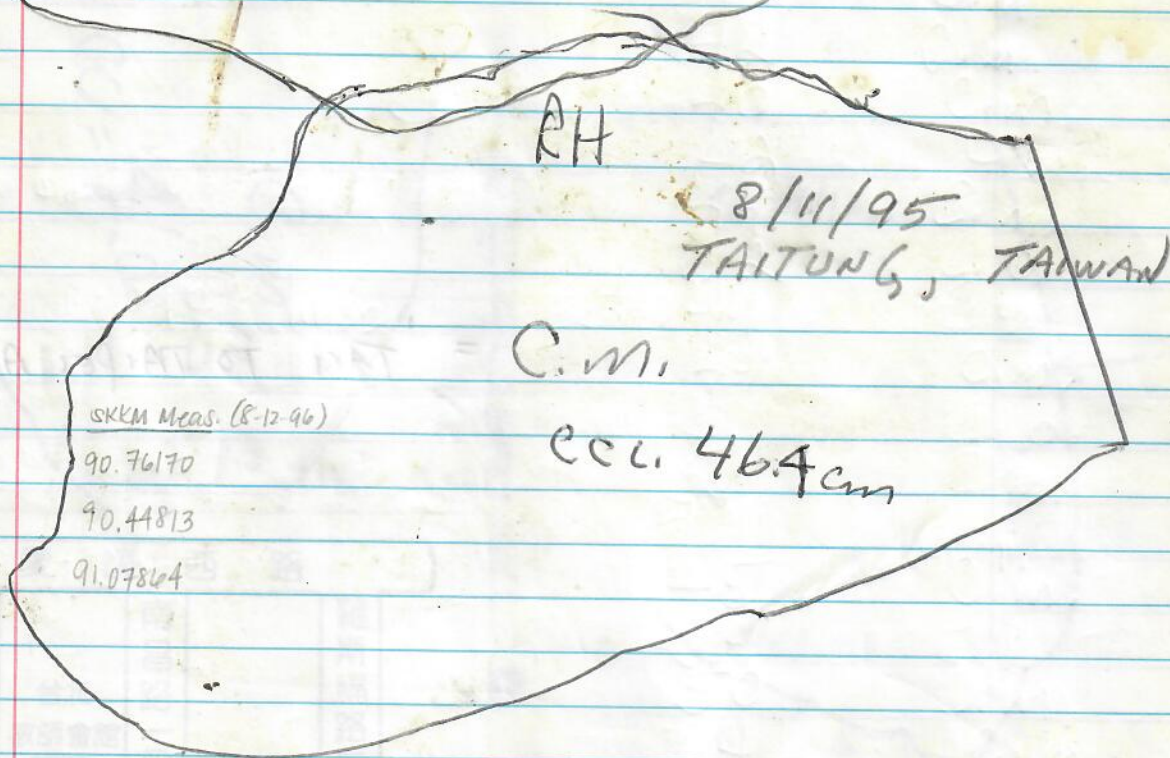
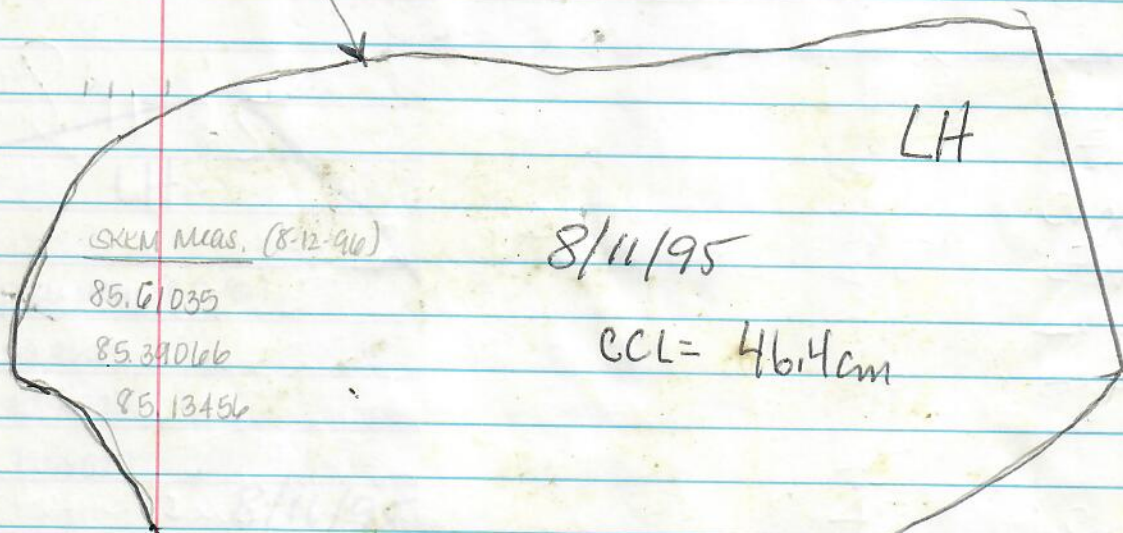
9/5/95 2000 Student 399 Andrea Kaiser
telex Italy. Drift nets continue. Way to keep turtles away.
9/19/95 MONTE COSTA 377-5784 325 KUAMAMA NE
Honolulu 96821

9/6
Wed

Need - Match-up of
flippers from Hawaii for: 65

CCL cm. 40; 41; 43; 3-44; 45; 46; 47

N=9



9/6/95
Wed

Conference call w/ALAN Bolton
MOVE TO

Sunday 30 Dec Home (904) 336-7522
JAW / GHB

肉絲蛋炒飯 = PORK-FRIED RICE

綠蠔龜 = GREEN TURTLE

SANWA,
Roc
3 on boat.
Sent

台灣省彰化縣，
大城鄉潭墘村
三民路二號
劉次倫

請帶我去

松山機場

= "TAXI TO TAIPEI AIRPORT"

謝謝。

歡迎光臨

台北教師會館

Taipei Teachers' Hostel

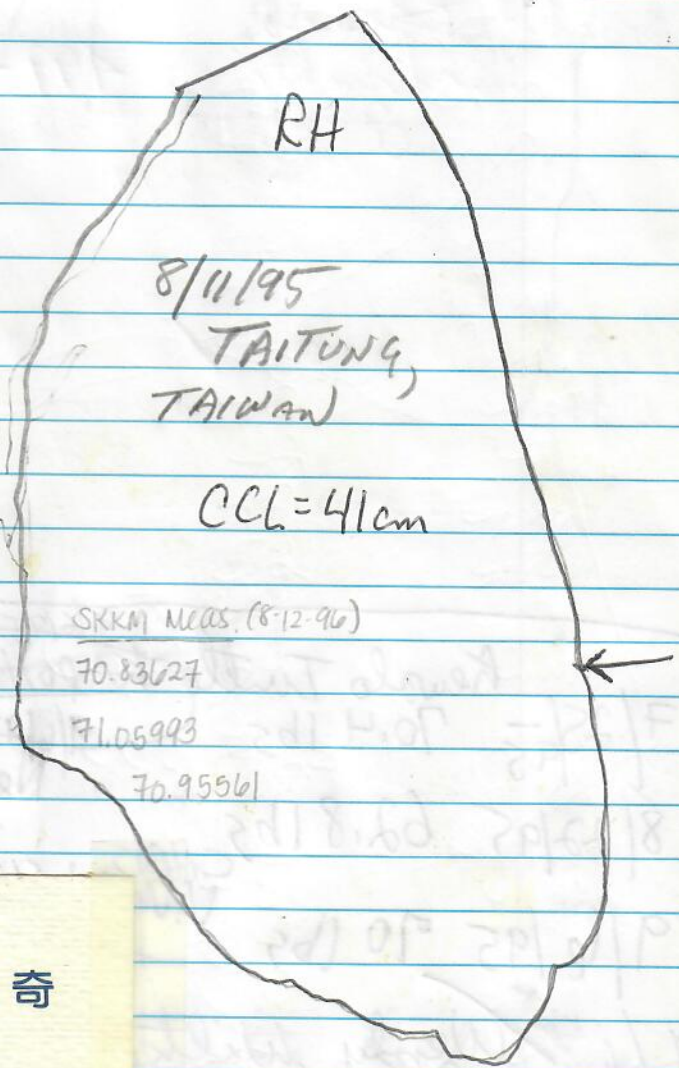
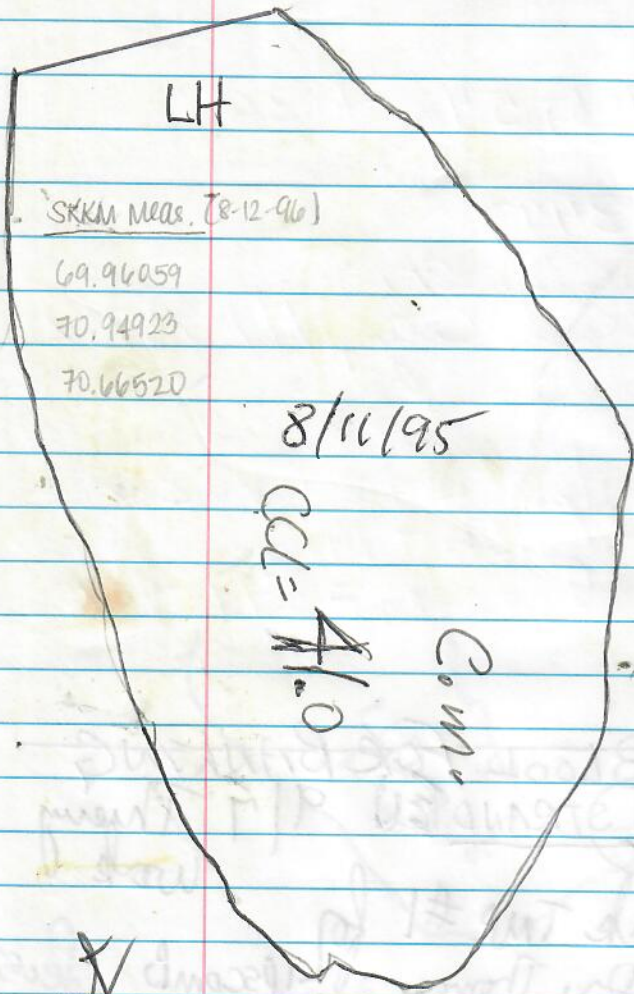
台北市南海路十五號

15, NAN HAI RD. TAIPEI, TAIWAN
REPUBLIC OF CHINA

TEL: (02) 3419168

FAX: (02) 3219378

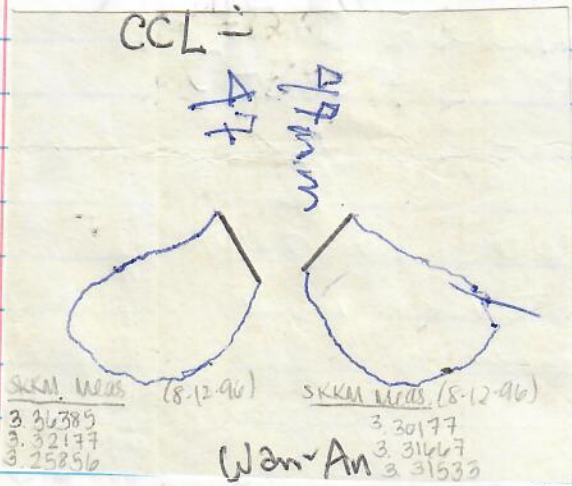
10/2/95 NATIONAL AQUARIUM
(202) 482-2825 8-10 turtles exhibited
Telecom J.O.C. sent
Ruth PEKAR



CHI JIA CHI
TAITUNG TRIP 池佳奇

 學言文化事業有限公司
 台中市崇德路1段125號7樓 TEL/(04)2371530~4(5線)

仙史宮
 Sian-Siu-Kon
 = Name of Wan-An
 Temple by restaurant (photos)

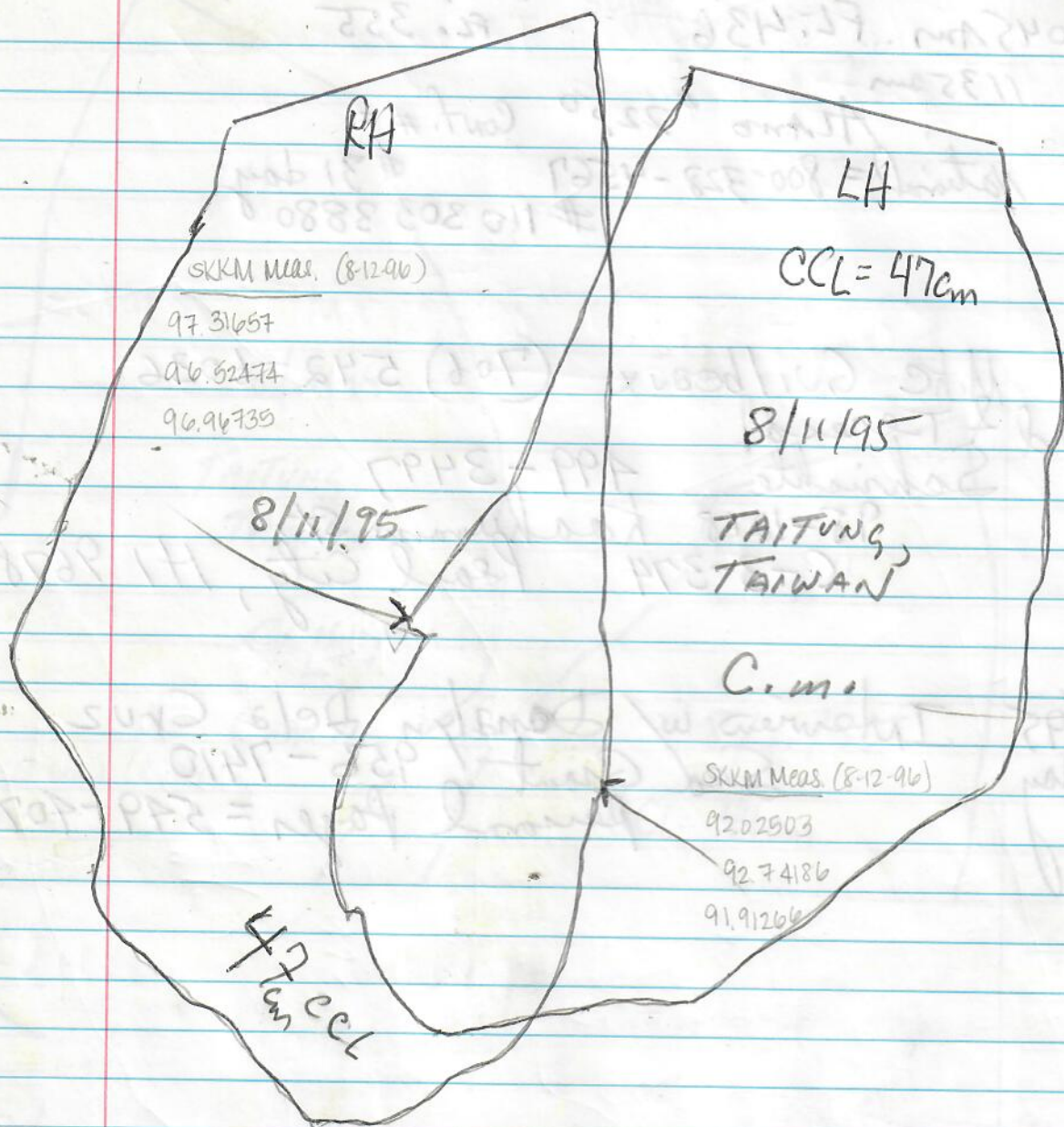


[23] From: Shawn Murakawa 9/11/95 10:21AM (1719 bytes: 22 lin)
 To: George Balazs
 Subject: Phone call

9/11/95 -- ~~AFIP~~ Message Contents
 I got a message from Naomi from the Hawaii Whale Sanctuary.
 A lady named Diana left a message on their recorder on
 Saturday regarding turtles laying eggs. I called Diana
 Rafael back. She said that she saw 6-8 turtles come into
 this little cove area in front of her apartment building in
 Reed's Bay. She said that the turtles take turns and swim
 into the reef area. They come into the sandy area near shore
 and scoop up the sand. She said that a Hawaiian lady told
 her that the turtles are laying eggs. I explained to her
 that I didn't think it was laying eggs, but possibly feeding
 or resting in that area. I told her that I never heard of
 turtles laying eggs in the water, but that turtles sometimes
 "abort" eggs while in transit. She was just worried that
 some Hawaiian people might come and eat the eggs. (There's a
 Hawaiian group that parties near that area.) She said
 that the turtles took turns coming into the sandy area.
 These turtles are about 3 feet long. She said that she
 watches them from her lanai. She would like some literature
 on sea turtles and nesting. I gave her our number is case
 anything else comes up and also gave her DOCARE's number, ~~not~~
 too. Her address is Reed's Bay Resort, 175 Banyan Drive,
 Hilo 96720, 934-8846.

~~9/6/95 BLOOD FOR BANKING~~
 Kewalo Turtle ~~Kapotto STRAND EU~~ 9/7 Therapy
 7/25/95 70.4 lbs 9/6/95 work
 8/22/95 62.8 lbs Neck TMR #1 for
 9/6/95 90 lbs Dr. Thomas Lipscomb feces
 CHEIS Vivian 965-0851 AFIP 4 tubes int. tissue to
 ID = 7-18-95 GRACZYK
 9/6 Wendy Wiltse, Department of Health
 Telecom Comprehensive Health Center
 1830 HONOAPIILANI CARRAMA 96761
 Used AUTO PARTS (Teri) #150 #22 455-4200
 SAME! ABE's 455 4200 Pearl & Iwa Park "DJ" #1576
 washer - Globe

9/8/95
 9/7/95



9/8/95 Pat Tammons 934-0115

9/7/95 Jim Palmer
Home Recorder - Atlantis Reef Divers
UW Videoperson 737-1349 522-5801
Steve Hall - Manager. Dead turtle
Seen UW on the bottom at Canyons, Wai Kiki

70

August 484-1111

Record locator = I3TJGT

20th Depart

23rd

107 pm → 155 pm

1045 Am FL. 436

FL. 355

1135 am

Hilo

Alamo #22.50 Cont. # =

National = 800-328-4567

#31 day

#110 303 3880

Mike Guilbeaux (706) 542-6036

David & Teresa

Schriekte 499-3497

98-1268 Kaahumanu St,

C-3-374 Pearl City, HI 96782

8/15/95

Tuesday

Interview w/ Donalyn Dela Cruz

Sea Grant 956-7410

Personal Pages = 549-4070

Dave Wall, 61-581 Pohaku Loa Way, Haleiwa 96712

637-1773

8/31/95

his name for spot

Called back to let us know that the turtle that was stuck in the reef was released fine. It was on the KITV Sunday News. He said that the area where he thought he seen nesting was the sandy beach area that's Haleiwa side of his house. There's a little cove there that he nicknamed "Turtle Bay" because he sees about 40-50 turtles. Some time in late June or early July he saw a turtle come up at about 1:00-2:00 a.m. and start digging. He was 50-60 yards away so he wasn't able to see if eggs were laid. He hasn't seen any type of signs that a nest was laid. He said that 3 weeks ago he saw 3 separate occasions when sharks attacked turtles. He said that he could confirm that 1 attack was done by a tiger shark. He said that it was about 10 feet from shore. Is that common he asked. He also reported that on Wednesday he stopped someone from taking a turtle. I told him that I would relay this information to Vic Honda and that Vic will probably be calling him back. He said that the men crouch on the reef and then throw their net on the turtle. He said he would be happy to provide information to the enforcement people.

Need

Need -
Shaun
Sigma Scan

LH

8/11/95

TAITUNG,
TAIWAN

CCL 44 cm

C.M.

SRKM Meas. (8-12-96)

83.90564

83.86284

83.661695

RH

8/11/95

CCL = 44 cm

SRKM Meas. (8-12-96)

85.51621

85.75178

85.43135

9/12/95

need

Margaret Depree
737-4698

933 MAKA'IWA ST.

Honolulu

96816

need writing on article on Japanese conservation
Attorney of Japan for law journal

sat. Track article

72

Need - JNA SKIN from each.

Need
Xerox
SLP

8/17/95
Thursday

SLP - Gannett - Trace/measure/weight
Foot-hatchlings, TAG numbers =

on swimming myself.

Alonso - ALANA WAIKIKI 941-7275 (leaves Tues.)

8/16/95 KBAY - DE, J.W. GB., SKKM - MARKS =
Wednesday TRACINGS / A.O.L. =

sent

8/17/95
David Burr called again today (8/17/95). P.O. Box 801
Naalehu, HI 96772

808-929-7231

JACK'S
TOWERS

Called re: turtle/people interactions at Punalu'u, Big
Island. Said there is a turtle that comes up on beach
regularly there at Punalu'u. Tour buses (from Kona -
couldn't give a specific company) come by on a regular basis
and let tourists off (usually Asian-but not necessarily
Japanese) at the beach, at which they make a beeline for
turtle (although it can't be seen from parking lot).
Tourists then sit on it to take pictures and he observed one
person trying to carry it around in the process dropping it.
He's informed people about leaving the turtle alone. Said
he'd called DOCARE - HILO and they gave him our number at the
Lab. Will pass this info on to Vic Honda and NMFS-LE. David
Burr said he'd be happy to help get information to the tour
companies, or other things. Suggested education of tour
companies and fines for them. Wondered if Posting signs about
not harrassing turtles would help, said there is a sign
saying 'Restricted access - turtle nesting beach' there but
everyone uses the beach anyway. Wonder if there is
something wrong with that turtle??

KAMEHAME
LAT. 19.144 N
LONG. 155.464 W

20th Sunday
nesting
hawkbills

Thurs
24th AUGUST 95

4 nights campout

KAMEHAME - HAWKS BILL

8/20-8/21 = 1 false crawl
8/21-8/22/95 22126)
- N451/P440
8800) 8/22-8/23 - 0, 8/23-8/24 22134

8/21
sent

Lisa Imata - PBR Hawaii
Kahoolawe Restoration Project
Pacific Tower, Suite 8650
1001 Bishop St. Honolulu, HI 96813

AS/ per Vic Honda
Keoni
FAIRBANKS
Kahoolawe
521-56
FAX
523-14

KATHY SMITH

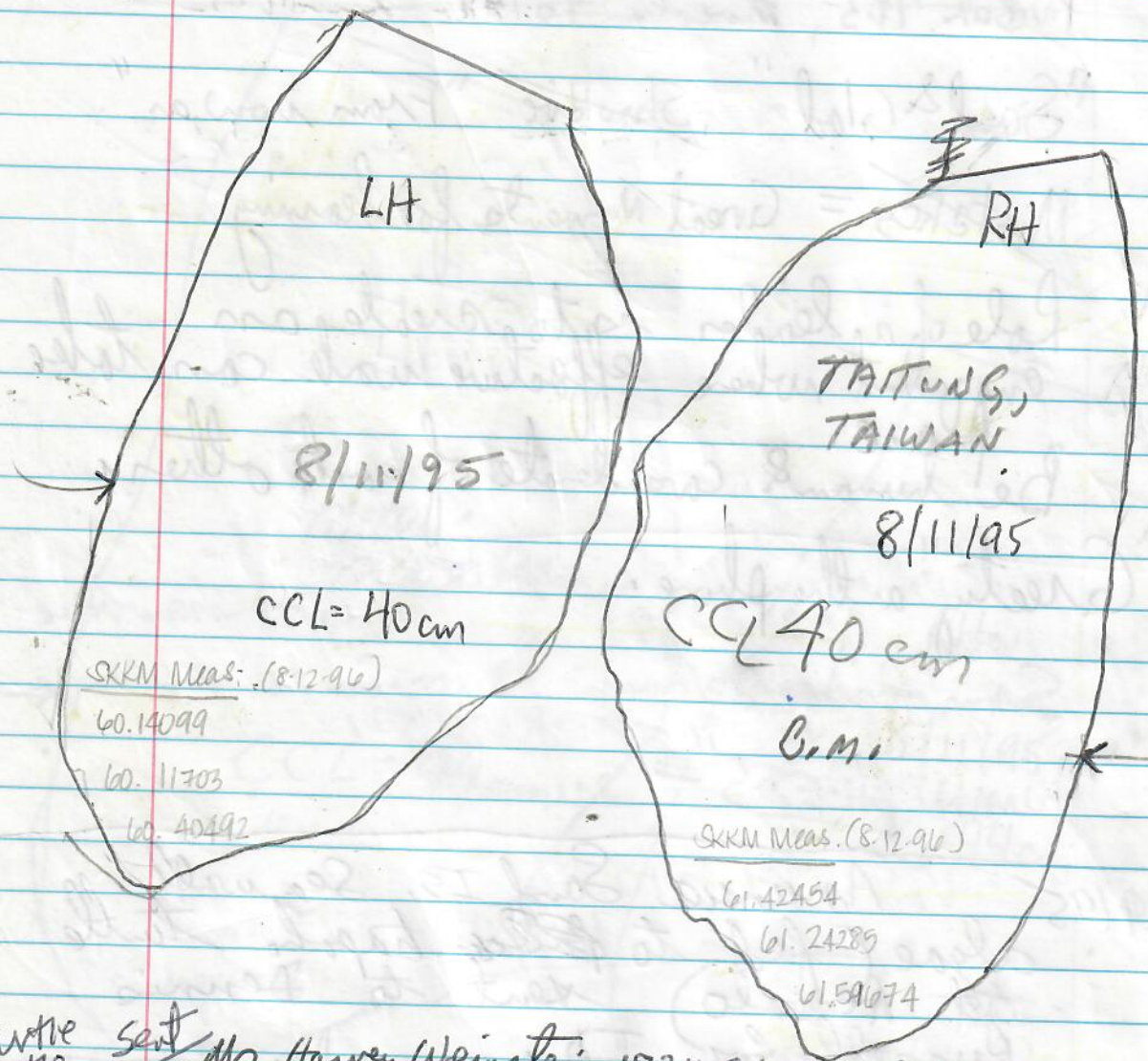
MAUI

"Pūhā hewa ka honu i ka lā wākani" 73

ARI SAJJOR-877-5061 State Highway

TURTLE KING signs

Bob Serat



Turtle sent Mr. Harvey Weinstein 1734 S. King, 96826 KND1

9/7 sent Sawan Service Providers Assoc., 2153 N. King, Suite 308, Honolulu, HI 96819 Tel. 842-0218

sent Fili Sagapolutele, Box 17174 Hono 96817 836-OLELO 7685

AA (703) 635-6531 FAX 6528, 6529*

Michael Gibson KAU LAI WING 928-6449

8/28/95 Loren Casher • Potential Development, Unlimited
P.O. Box 703, Kaneohe 96744

"Sad & Glad" Shookie "From now on"

Mistakes = Great Moments for learning

9/11/95
TRAINING

Role of a leader is to create an environment where effective work can take place.

Be human & considerate of each other.

"Greeting" on the phone.

! Sam - "Agenda"

"HUMAN NEEDS" -

8/29/95 Amunee Sand IS. Sea wall algae (fed to ~~fish~~ traps turtle get Hawaii) sent to Dennis Russell for ID.

30 AUGUST 95
WEDNESDAY

MAUI SURVEY

Acoba
Fl.

Depart 12:15 pm

Box 277-239
Kihai
96753

Mike Bailey - 667-7955

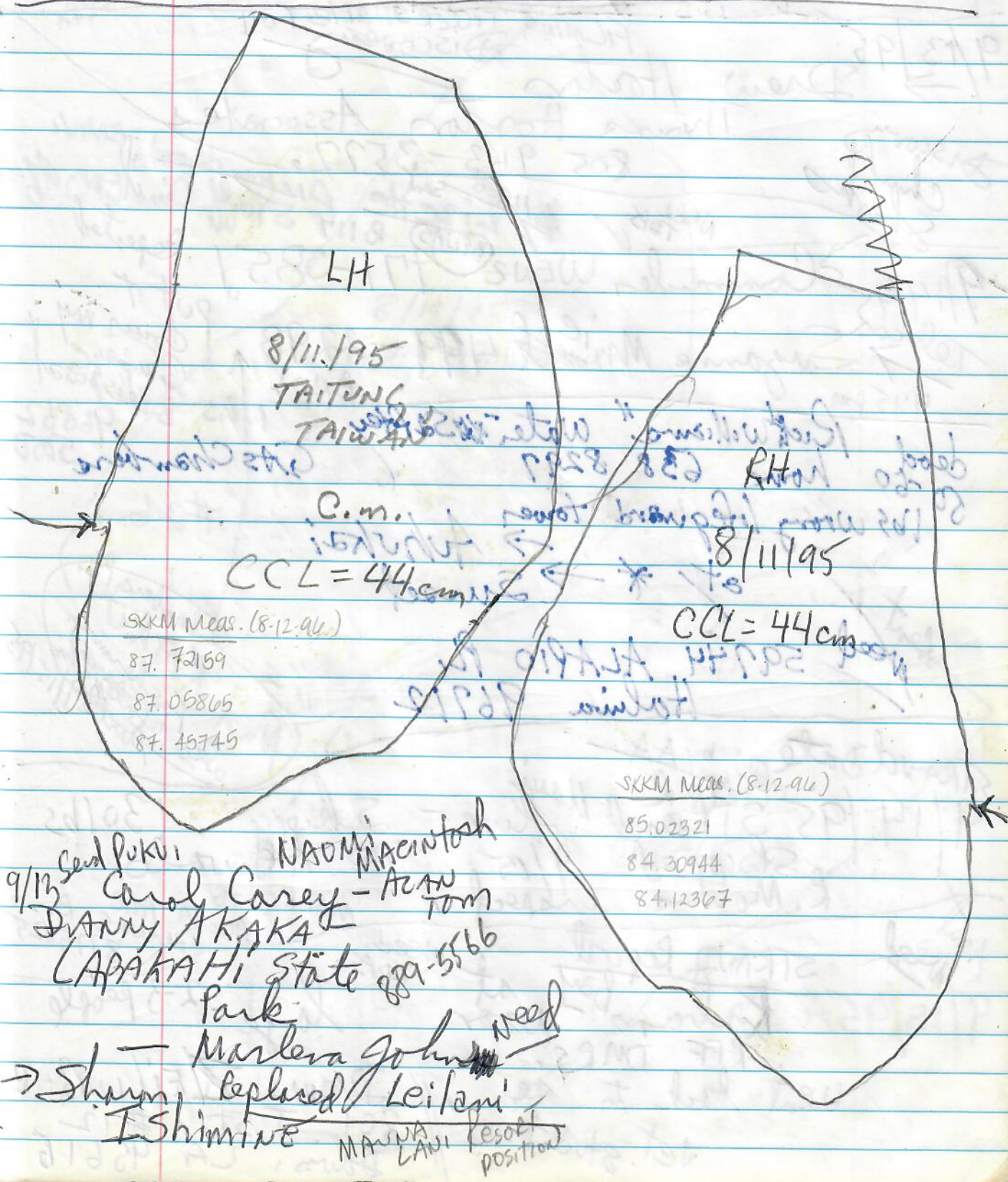
Club Lapa - Steve Gibbons Manager

Chuck Forman owner

Need
P. Colodet

Page = 800-707-6127

9/11/95 MAEVE OBYRNE 638-9668 P.O. Box 365 75
NON-PROFIT "LA TAGONIA" T-shirts Hakewa 96712
T-shirt Seal



SKM Meas. (8-12-96)
87.72159
87.05865
87.45745

SKM Meas. (8-12-96)
85.02321
84.30944
84.12367

9/13 Seal Puku
NAOMI Macintosh
Carol Carey - ACW
DANNY AKAKA TOM
LAPAKAHI State 889-5566
Park
Marlene Johnson need
Sharon Lepusad Leilani
I Shimine MAUNA LANI resort position

76
~~need~~
Aunt
Volunteer Opportunity
Liz KASHINSKY
537-4508
231-7062 home
PO. Box
KAWAII
- 96730

9/13/95
FILMING TIGER SHARKS FOR
Discovery
Drew Horton

Discovery
Cheryl
Sharks
Thomas Horton Associates
805 963-3577

9/14/95
Commander WENZ
471-5851
Repeated

Telecon
4:15 pm
Suzanne Maxwell
499-2298
Put it down my
Garbage
disposal

dead
50-60 lbs
"Rick Williams" water
home 638 8297
NAS BP 9685
GAS Chambers
#26

105 wrong lifeguard tower
at * → Ahukahi
* → Sunset

~~need~~
59744 ALAPIO Pl.
Halina 96712

Barbers Pt.
Net KAKU
Fishesermen
reported this
month

STRAND date by AA

9/14/95 STRAND ^{TMK} ^{main} Alive - Shippy 130 lbs
R. Morris shipped 9/15 TO KAWAII
inspect.

~~need~~
STRAND Report
Need TDPS
MARK GOTO
ALOHA AVE
MANAGER
877500

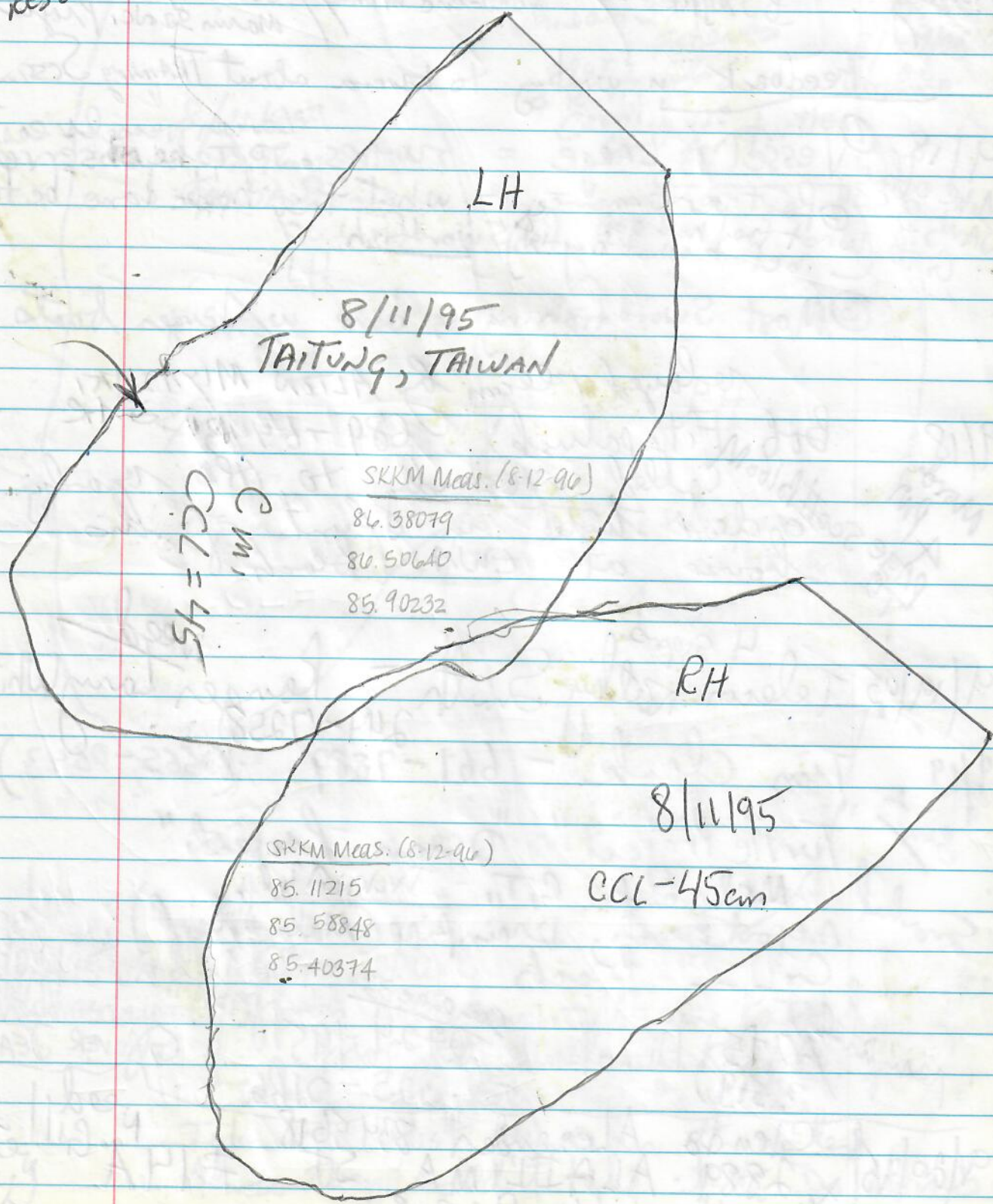
9/15/95
Kahana Bay at noon
RFF TMRS.
lage - 2-3 people

went back to sea
set student
DAWN FEILINGER
801 J ST. #12
Davis, CA 95616

Sent 9/15
ARTIST TURTLES
KONA
Village
Resort

Penny GUPTON - HSTS sent LOANED

Need address =



LH

8/11/95
TAITUNG, TAIWAN

SKKM Meas. (8-12-96)

86.38079

86.50640

85.90232

CCL = 45
C.M.

RH

8/11/95

CCL - 45cm

SKKM Meas. (8-12-96)

85.11215

85.58848

85.40374

78 STAFF Meeting

9/18/95 McCallum - give Protected Species Workshops on island Monday
Bungled / year-end money / coord. by Marin Soc. Program

Feedback in writing to have a about TRAINING Session

9/18 ① Vessel is Large = Turtles. Larger vessels can take observers
Mike office Past performance = what they had done before
JAW, B. Skill (what they had said before what they fish) Swordfish
GIBB

③ Most Swordfishing is done w/ larger boats

relayed telecon by ALTON MIYASAKI

9/18 Monday 4 PM Page 10
Bob Fitzpatrick 689-6443 SAR
Called yesterday to HPD regarding a dead turtle in front of his house at EWA Beach

9/19/95 4 signs Telecon Kathy Smith - Ranger Larry White ^{Need}

9/19 Tim Clark - 661-7889 (665-0343) 244-7258

sent "Turtle Project" "Ocean Project"

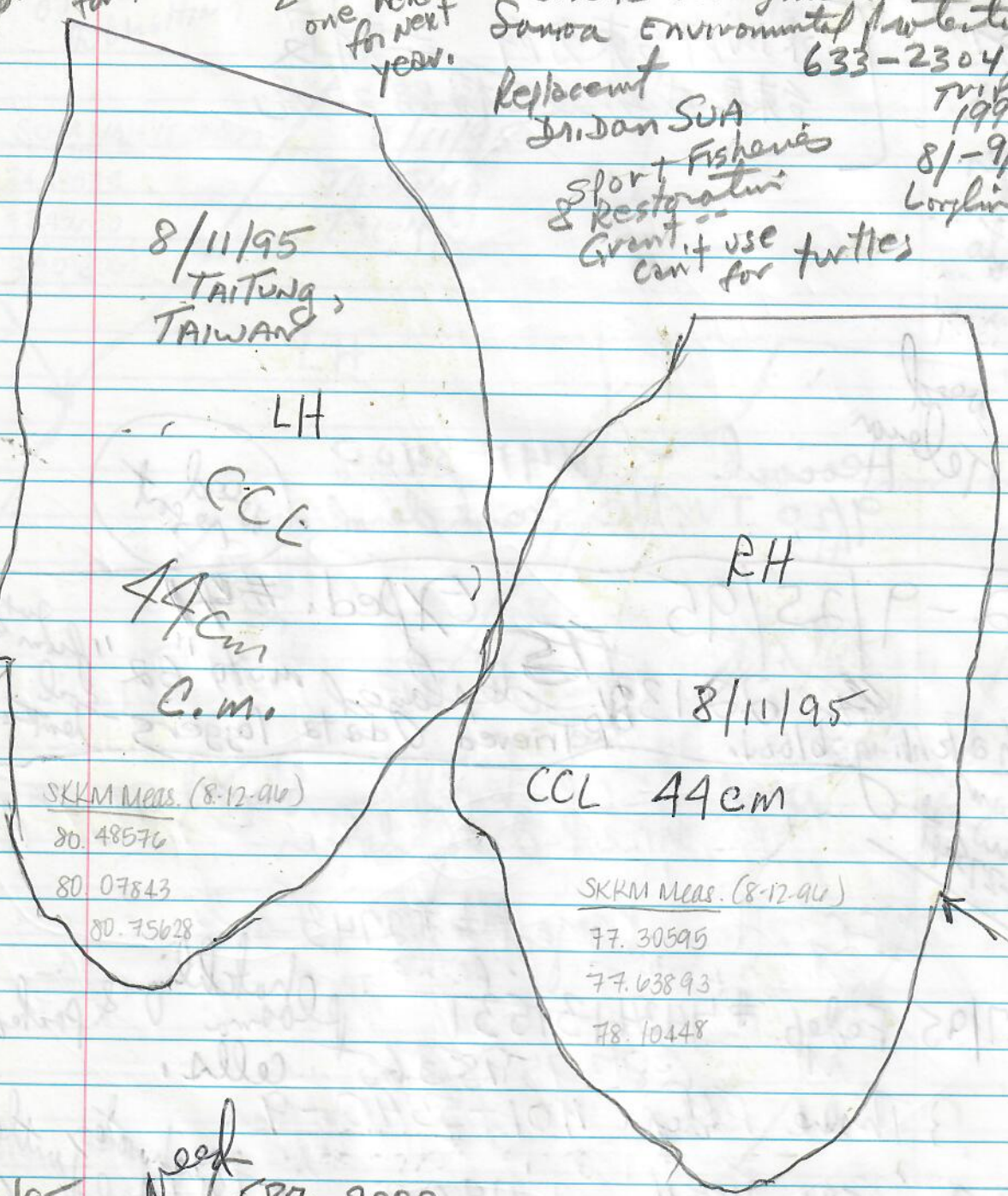
Snobal Mel and C.T. TUCKER?
Airport Beach, Drain Pipe (Mala wharf)
Cr... Beach

resighting 9/15 Honolulu 2/24/95 GROVER JEFF
? 519 Tel. 325-0166

9/20/95 Glenda Alexander 834 5618 #14A Gill
2889 ALAILIMA ST need
sent // Honolulu 96818 we

10/95 "RAT" incidental for turtles
 TRIP- 3 TAGS- 2 now one held for next year.

9/28 Telecon Peter Craig 79
 Sheila Wiegman
 Samoa Environmental Protection
 Replacement 633-2304
 Dr. Dan SVA
 Sport Fisheries & Restoration Grant
 can't use for turtles
 Trip 1996
 8/1-9/96
 Logline



9/20/95 Wednesday
 need
 587-2000
 Officer Katekawa - Marine Patrol
 Prop-hit turtle in KBA
 alive - floating - quite out
 Told to just leave in the water
 Since they couldn't take it to Dr. Morris.

80 8/11/95

→
Turtle
Manager
need
send
photo

水試所台東分所 王耕良
台東縣成功鎮五權路22號

need
9/21/95 Heacock - 241-3400
9/20 Turtle Fresh dead

need
report

9/22 - 9/25/95 Exped. #41

FFS deployed onto "62" from ^{June 1995} ~~sea~~
Retrieved data loggers - soil temperature
hatchling blood.

Program
Review
26-27 Sept

need - *SLP hatchling blood
*SLP data logger

CFC Horn Project = #2743

9/27/95 Fedep #4434 + 31531 hatchling plasma & packed
6837595365 cells.
Thave Fedep 1101-5540-9

9/27 541-2454 - USCG Ed ^{freshwater} Waldrop
Scott Bloom Spm. Sand Is. 8" turtle floating by
boat

CARSON'S
OUTDOOR
PUBLISHING

= (813) 644-3381

Sea turtle
watching obtained
Guide 81

SKM Meas. (8-12-96)

74.49579

73.95630

74.09306

8/11/95

TAITUNG
TAIWAN

LH

CCC
73cm

5cm

RH

8/11/95

CCL - 43cm

SKM Meas. (8-12-96)

79.00010

78.37543

78.51578

489 grams
1 hawk
(12 new,
36 Rocaf)

Deployed TDES

1-MK w/ Sonar
and on self
1-MK 3e.
w/ sonar
88

KITULO BAY #

29-30 Sept. 95

8

Friday, September 22

a) HPD Officer Robert Silva, 808-966-7432 (Puna)

He wanted to talk with you regarding captive turtles. He will try to call you next week when you return. If not, please call him.

need

need

Wayne Perryman, SWFSC, 619-546-7014

He called to let you know that he's putting together some data for you. He's been talking to Dr. Laurs about it so you can ask him. Basically, he's been working with the military surveillance (top secret military observations). They usually take visual counts on monk seals, but have been able to do it with sea turtles. He said he'll be mailing you something after he puts all the data together.

9/28 via A. Looley Returned. Both give to AA & Beth.
Sarah Fischlowitz student OH Sophomore
office interview

2 VCRs
Trapper
loaned

COSTAR MINI Centrifuge Ser. No. 10M-069-
Model 10

TAKE TO

Oxford BenchMate Continuously
Adjustable Pipette
Div. of Sherwood Medical St. Louis
MO 63103

QGISRV

14h out return

Hawaiian Air 838-1555 \$782 165 \$2 (more than 2 excess goes stored)
2 - 70lbs 72" 3x added

10/20 FL 465 5pm Hawaiian arrive 9:25 pm
10/27 FL 466 11:05 pm arrive 9/28 5:10 AM

PAGO PAGO

AM SAMOA

10/14/99 \$540

\$560

\$699

(Pavahi)

need AA advice or Gold plan

"Leap of Faith"

[30] From: Gloria Wong 9/20/95 1:22PM (956 bytes: 20 ln)
To: George Balazs
Subject: Telephone msg.

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

Grover Jeane called from the Big Island with the following:

- 1) he would like information on the turtle tags. *Honokohau Harbor?*
- 2) on 2/24/95, he saw two tagged turtles outside Honokaha Harbor.
1st turtle was tagged on the right front flipper tag number 7519. Covered with heavy algae growth, but no unusual problems.

3975
2nd turtle was tagged on the right front flipper with tag #~~4975~~ (it was almost coming off) and it had a second tag on it #3953. Nothing unusual with this turtle.

during the last 5 months, no tagged turtles were sighted during his dives.

Gover's phone number: 325-0166
address: P.O. Box 748, Kailua-Kona, HI 96745

*5/17/89 PINE TREES KONA
est. 50cm*

*"MISS PIGGY"
by Pete Hendricks*

*Ponduku -
invite PONDUKU
FAVOR - KONA*

[46] From: Shawn Murakawa 9/20/95 7:31AM (649 bytes: 7 ln)
To: George Balazs
Subject: Phone message

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

Marlu, Save the Sea Turtles, called and left a message. She just wanted to report that she's been seeing a lot of large and juvenile turtles at Chun's Reef. She said that although there's a lot of surf the turtles still remain in the surf. She said that they don't move out of the surfers way. She said that she saw 20-30 turtles in one spot. She said if we have any questions to call her at 637-3554.

[39] From: Shawn Murakawa 9/19/95 11:49AM (1344 bytes: 17 ln)
To: George Balazs
Subject: Jellyfish call

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

I just received a call from John F. McDaniel, 425 Ena Road, Honolulu 96815, 941-1605. He said that he saw the "article" about calling in. He said that he swims every morning in front of the Hale Koa Hotel. For a couple of months he has been seeing a turtle (he thinks it's the same one) about 100-150 yards offshore. He doesn't see it everyday. He said that he only sees the head which appears to be the size of his 2 fists or a little smaller. Yesterday the jellyfish started coming in. He noticed that the turtle had come in to 25 yards offshore. He said that he didn't actually see it eating it, but knew that that was what it was doing. He believes that the turtle is keeping the area free of jellyfish and that there should be more turtles to keep the beaches clean of jellyfish. He said that he only sees the box jellyfish and hasn't seen the new one. He said that this beach was affected by the new jellyfish like the other beaches.

*Cikely
green
turtle*

10/3/95 personal interview for PUNAHOU CLASS project RE: 10/5/95 Telecom Jim Bendish Diego Garcia protect Nesting Patrick Shapland 395-8232

10/5/95 Terry Taube Need send Howard project press release Thurg. 73-1100 ALIHI LANI Dr, K, K 96740 Paperturtles -

[12] From: Scot Yamashita at ~nmfs-lb 7/21/95 6:06AM (1590 bytes: 39 ln) To: George Balazs at ~NMFS-HONO Subject: Re: tel msg

----- Message Contents ----- Tom/Scott- For you information and action. Please let me know if you will follow-up on this apparent ESA violation. Thank you. George Balazs

Called Howard and he said someone had called to report two stranded turtles on the Big Island. The contact is: Michael Ingstrum 25-183 Malumalu St. Hilo, HI 96720 PH: (808) 969-3923

I called to get more information. He said there are 2 turtles in a fishpond about 100 yds north of Honokahakaha Beach Park. No Tags. 1--25 inch carapace, 1--14 inch carapace. Has seen them for a couple of weeks, they seem to be eating. Said the fishpond has no direct access to the sea, about 60' of grass between the pond and sea, it's probably 4-5' deep during low tide, and about an acre in size during high tide (ie, it would be hard to get the turtles out). I gave him the number for DOCARE Hilo, so he could give them the heads up and said I'd pass the info on to you.

Please call him back to see how we can help. Tell him I'm off today. Mahalo, George

Howard Takata from Sea Grant Office called. 959-9155

George,

Tommy has a big island trip soon and I will pass this to him to check out. Will let you know.

[23] From: Tom Friel at ~nmfs-lb 9/18/95 10:05AM (917 bytes: 11 ln) To: George Balazs at ~NMFS-HONO Subject: one for the gipper

----- Message Contents ----- Last week Thursday the 14th we received a call from a Tom Lindberg of Kaimalino Place, Kailua about turtles stuck in a gill net. Upon arrival I swam out and with assistance from state Forestry and Wildlife personnel Gordon Olayvar was able to cut the green sea turtle out and he swam away strongly. Unfortunately even with the help of DOCARE officer John Robello we could not locate the owners of the net or seize the net (about 1000 ft) because the net was in water too deep for our retrieval without a boat or other flotation devices. It felt good to find a live one George. Aloha, Tommy.

Muchuro Higa via Vic Honda 47-726 Kam Hwy. Kaneohe, HI 96744 PH: 239-8268

Seen 1st 8/28/95. Reported dead turtle washed ashore across from Pulama Rd. >3ft in length, No head or FF. Scutes peeling. 1 tag, LHF = F-360. DME responded. Very bloated. Took 2 photos. Left humerus had scratches indicating shark bite. Unknown for tumors. 96 cm CCL. Too heavy to move. Took both humeri and tag. Female

GOOD WORK. WHAT COLOR SPRAY PAINT? THANKS. I'LL MAIL SOMETHING TO THIS ONE (male:female?) ALSO.

Orange spray paint and blue flagging tape around vertebrae left. The Contact in local male said there is a hole in a shell where lots of big turtles hang

"EMMETT FINCH The cure for all Diseases" 800-231-1776

JAMES - Battery Factory 591-1616 } between 85
831 Pottukaine } wall & cook

10/12/95 KBAY - 4 captures -
Thursday DME, GMB } 2- Reef 42
Suzanne Russell } 2- Reef 43
TAGS USED =

Released one later
into KBAY
TIME DISTORTED
Head - D.M. Morris
KBAY

2 TO KRF
1 EV 10/19
5471

259-7757

[34] From: Denise Ellis 5/30/95 11:58AM (1118 bytes: 15 ln)
To: George Balazs
Subject: stranding 5/30/95

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

Craig Rabinowitz turned in a dead turtle he found washed ashore this morning. Circumstances surrounding this case are probably an Enforcement issue, but are as follows (FYI - short version): Craig had this vision re: "tortise shell", found the dead turtle on beach, took it as a "divine sign" to keep the shell. Took turtle to a fish market to sell the meat, and was refered to Gene Nitta. Gene asked if we wanted a dead turtle, I assumed at the time it was straight forward. Craig then called (with shell sob story) and said he would bring turtle in. Turtle is in A2 freezer, 46.5 cm SCL (not a flipper tracing one), Hind flippers seem deformed, LHF is notch (posteriorly) and healed, mouth full of algae, 'burn'/crease mark 1/2 way up on neck, Robust apperance. Gave Craig NMFS-LE number regarding his quest to obtain shell.

10/13/95 KBAY - need ALL 3 Marks TAGS USED =
Friday DME, AA, Beth Z., Cindy Driscoll, S.R. 7 total

sent Andrea M. Karawaloo (POB)
1507-B MAKIKI ST. 942-0503
Honolulu, HI 96822

10/15/95 call to home from Greg Coffman 879-3642
Sunday ENTangled / hooked turtle
Yacht Cellular 669-2723
EXT. 12133

10/16/95 KBAY
Monday TAGS used =

10/17/95 Tues. KBAY
Jill Zamzow TAGS used =

10/18/95 wed. KBAY AOL =
TAGS used =

86 (3)
Just intestine
for Thaddeus
EU
by AA

Photo document
ALL EU'S
DOES THADDEUS?

120 lb
that had
been at
Kewalo

Photos
14/95 Maui Stomach
10/19/95 - 95 heart
parasite
for Thaddeus

(1) fecal & intestine
from
EU
by AA

Photos
10/19/95 EU KBAy (Hypnea musciformis)
J471
Kidney Tumor for P. Moore
and normal kidney

(2) Just intestine
for Thaddeus?
page 27

Photos
10/19/95 Small Mouth Tumor Maui turtle shipped
alive by Skippy 10/18/95
TO HL

20-28 OCTOBER 95 ROSE VI
TAGS USED = 9202-9220
25692, 25693, 25694/3/3
8 Turtles in 3 night
only 2 were
seen

"GILUA" 3/9, 3/3 - 3/9, 3/3
"ALOTU" 10/25/95
29 OCT. - 1 NOV. 95
62 days to depart
71 days to depart
SUAVA FIJI
70 days to depart
(The new)
SOUTHERN
CROSS HOTEL

Air New Zealand PLST depart 0950 10/29, Arrive
Nadi 645am (Fiji, 2 hours behind Honolulu). Air Pacific to Suva - to
Southern Cross Hotel Suva. Nancy
Sue, Ben & Max size both
carefully signed in W. Samoa

- (1) Sue Skel meeting - VN Superintendent wife - head starty success
 - (2) Limpus - field/Tagging manual - Limpus have a copy w/my (Gannets)
 - (3) Limpus/GHB paper - status? Regular communiti/calls? DPA Samples Taini
- 10/31/95 TUEZ, Fiji Sea Turtle Conservation Strategy Meeting
3-year plan
copies of meeting items to Limpus

Foraging Site "Actions" - Mobertz training
Fiji - Methodist take church - HUNNAM Sesseskov
Rick Thorpe [PETER NOTTALL] Hawaii - TRAINING

Xerox for Taiwan pages = 80, 66, 62, 56

Fijian Colouring book version
Flight to ROTUMA
Xerox attendance list

Institute of Applied Sciences 87

Curriculum Module USP

SCHOENTHAL_N @ USP AC FJ
Schoenthal_N @ USP. ACC. FJ

DMEW

10/31/95

MR. SHIGEKI KOMORI - Programme Officer WWF
100245.3405 @ COMPUSERVE.COM
Nests 2 sites

Fiji Meeting

Green - N. of Tavakani

Sunflower AIRLINES (679) 723-016
FL. P1020 Depart Nadi (1200) Server 130h
Arrive ROTUMA 1520 FAX
OW # F 267.00 (679) 723-611

Commercial take / Ceremonial or religious take / Subsistence take
Effect of Tourism on sea turtles
Masters Thesis (ASAKE)

owns AREETA PASAPPA

Agreed - Fiji Fisheries Division ANNAC Report 1994

HAWAII (808) 539-3627
FAX (808) 539-3630

Investments of chiefs Ceremony is blended with Christian turtles.

MATUA HOTEL SUMA 322149

Book on Totems/Fish-handaru
"close fishing grounds over an area when high person dies"

NAMENALAGA IS. Joan Moody

28 Feb. 95 Lakosa - Hawkbill poisoning - some deaths occurred

2 weeks ago. deaths of W. Spinyfinns Hawkbill poisoning - mother table included.

8/1/95

Coffee mines - NATAGA Bay - point - Hawkbill poisoning thought to be caused by coffee pollution - Honolulu

DEPART NADI NZ50 845PM - Honolulu

For # 88 Nov 14
SS No. 219-0534
301
Dec 3
Dec 5
EJ
at
also

Dr. Phil Miller SS# 312-80-2774
FAX (612) 432-2757
Phone (612) 431-9325
CBSG@epx.cis.umn.edu

A-7 Dec 95

"Expert Working Group Meeting on the Status of Marine Turtles in the Pacific Ocean"

11/6/95 Received from Maui large ♂
Monday green-turtle from Skipper Har
+ Kihei stranding 230 lbs - 30 lbs be
Strong tail response - but no head or flippers visible

NDASCHBACH@Ocean.NOS.NOAA.GOV

Dead when necropsied 9 am
11/7/95 with Denise assisting. Extensive
search, but no parasites in heart
(or spleen). SL = 85.1 CCL = 89

11/8/95 Alonso's KBty biopsy samples
and 9 biopsies from Palau, Molo
July 95, fed to him this date.

Maui
AC's

William BASEY 244-1605
111 Kahului/Beach Rd
D 208

Sent

FAX 242 1719 96732
891-5160 home

11/7/95 Dead Hawksbill hatchling delivered from Molo
floating - brook
away

Selina S. Heppell - Duke Univ. Marine Lab
 135 Duke Marine Lab Road, Beaufort, NC 28516 - 89
 Tel. (919) 504-7567 FAX (919) 504-7648 9721
 email ssh4@acpub.duke.edu SS# 537-86-

I-Junn Cheng SS# 411-33-9852 1261

ABREV = #SS 914-01-1815; Chan # 914-01-1950

Kameyaki - 914-01-1951; Cimpus 914-01-1952

11 Sponsorship Mark Batchlor ^{Need}
 of Moku Loa Group
 Hawkbill Hawkbill Recovery Fund
 P.O. 1137
 Hilo, HI 96721
 AT
 HUMP?

11/9/95 1090 format Fedex #4434132360
 Thurs. 4 Vials sent to AFIP -
 Fedex - Tom Cipscomb -

Tumor biopsies from KBAY =
 ① Q60 jaw hinge 10-13-95 ADL
 ② B992 Cloaca "
 ③ J675 10-17-95 ADL
 ④ J43 jaw hinge 10-16-95

CONF. #
 M 2 BSP/1
 PUNALUU TUES. 1135 AM 1225 PM WED. 423 PM
 ALOHA 28 NOV. 95 1135 AM 1225 PM 29 NOV. FL 45 410 PM
 484-1111 #31 NATIONAL West 120 PM - 210 PM 155 PM 245 PM
 Conf # NEXT 445 PM 520 PM 545 PM

25 NOV
 SAT. FL. 404 630 AM 720 AM
 FL 47 AHS - \$15.99 30356499 US\$ 630 AM

11/13/95 10/19/95 J471 EU both kidneys, are w/ fibros.
 Monday Fedexed to Marie, Lizzorno, VASSAC,
 This date.

SEIWA - Home (919) 728-6823
Marlene Johns = 885-4303

11/9 Pam Meister 82-6288 Puuhoua Pl.
CAPT COOK 96704
Saw turtle w/ hook in mouth while swimming at Kealahou Bay.

Jeanie Bennett - Submarin
727-0508 Turtle w/ Tumors
(MAXIMUM ALLOWABLE TAKE)

PBA = "Potential Biological Removal"
RAMAS - false acronym "RISK Assessment and Management Alternatives System"
"Vortex" is basically a metaphor.

SHIPPED
Fedora

RAMAS -

11/15/95 Fecal TO GRACZYK - tubes w/ media
Wed. 1) 11-6-95 Maui - S. Hau
2) " " "
3) " " Intestine tissue

11/17
7:39 PM
8' Potato

1) 10-12-95 5471-1) Reef 43 EU
2) " 5471-2)
3) " 5471-3)

1) 9-14-95 Maui - Docare Shipen Hau Fecal
2) " " " Intestine
3) " " " Intestine

1-4 fecal pellets 10/17/95 1 Bay found on bottom at AOL

11/15 telecon from Carrie O'Connor, 297 Park 2
Wed. Honolulu 96821 re: Sun Press - Side B
for the letter submitted - focus - Hawaii Kai
395-0094 re: 11/9/95 Sunday

Peers? - More staff more time to write, overall - work of 13
 zoologists? less problems, more time C.D. recognize that? 91
 Turtle Biologists? - compare w/others.
 - metal award 12's 13's products? NPS = Christopher Stein
 - team work what are other? Sent Headstart stuff

11/15/95 ~~Telecon~~ visitor Ami Samoa - Meryl Golden
 wed. D. VOELKER, 3506 FORUM BLVD.,
 COLUMBIA, MO 65203

need Denise check Reported seeing a large - 1M turtle w/ tumors
 in Arawa VA few steps ~~from~~ EWA of culvert
 under road to Hilton Lagoon. Turtle floating
 at surface, then dove ^{shallow} down to sleep with
 head against cement wall.

11/16/95 ~~need~~ Thurs. Call from Paul Forstal regarding
 large turtle dead on bottom ~~at~~ 40'
 from shore - 5' deep. Kihai

11/16 ~~Need~~ Thurs. Sean UCLA program
 HIMB-Coconut IS. 100cm carapace length
 dead turtle decomposing floating near
 boat entrance to HIMB.

Silver Spring meeting
 An. Express Dec 9th FL 44 10 pm ^{cod given} PATRICIA 11/24 Am. Express Res.
 Holiday INN #89 #60942584
 chis Sunday 610 10th
 10AM → 11:55AM 1:55pm

532-1888
 1-800-331-0417
 Dec 12th 11 PM FL 609 FL 33 FL 12:35 5:25 pm
 LIN - 944-0263

Telescan Talk to Group
 Wainanalo, Oahu

LAVIA -
 Bug IS. 966-908

11/21/95 Navy Glover - water quality project

11/20^{Telescan} Intake worker concerning person sentences
 for "Shooting turtle in the Dead"

DAVID SCHLICHTER -

11/25/95 Punaluu (He La Houu - Turtle)
 Sat. (Day 95)

M/M Howall, Bengay, MOP - Walt John
 Pele Hana, Children how young adults
 Ohoha Dale Zarella • TTP = Roz

Early 1970s Herb Kane
 Cuddly - Jim - sea team of workers
 City & County

Kanika Painty - a Golf Course
 Kam, Gil Martin

First came in 1974

"Seen her at work" - in you

People like turtles, migrated her
 today to beautiful place
 - free of large resorts, rocket
 engines

- Nest fenced on beach near pond
- Female went into pond - came out by road
- based at Kanehawe

28-29 NOV. 95
PUNALOU #29

21 Turtles
(18 Recap + 3 new)

Y193 w/ Tumors

Shipped alive to Honolulu

93

need
Results
soon

Dead ^{Green} turtle found by Mrs. Howard
Hawkbill meeting (annual)

30 NOV. 95 Sent First class mail to AFIP
Blood for banking taken
Y193 Kewalo from PUNALOU, KAU. Blood

Results
No indication
of Blood
Abnormality

for Chemzyme by Dr. Morris. 3 - biopsies
taken - sent to Tom Lipscomb

- 1) Neck Y193B
- 2) Y193A left eye
- 3) Y193C right eye

in 10% formalin.

"Robust" (p. 1001) 1. Having or exhibiting strength or vigorous health: VIGOROUS. 2. Firm in purpose or outlook. c. strongly formed or constructed: Sturdy. 2. Rough ride - down home imagery - playboy. 3. Requiring strength or vigor. 4. Full-bodied SYN healthy

"Noun
PARSIMONY" p. 835

2: "ECONOMY IN THE USE OF A MEANS TO AN END"

Adj: "PARSIMONIOUS"

EXPERT WORKING GROUP Meeting on the status of (marine) turtles in the Pacific Ocean

4 DEC. 95 KAU Room E.W.G. Meeting on Mon. The status of M.T. in the P.O.

need "Thank you" letters - post meeting
Longline "Replaced" in fishing? See p. 110

Fix 94 3 levels JAW - GTFP - what levels of mortality
Graph at what size classes
RAMAS - Pop. Summing

Nice Pop. size: etc, etc.
OVERHEADS: Color bars (overhead) on side
"The future is uncertain"
"Tangle of Trajectories"

4 DEC 95

See p. 110

Tim G. - Models - clear differences in what they are intended to do.

Status - definite Marine Mammal realm - 20 yrs

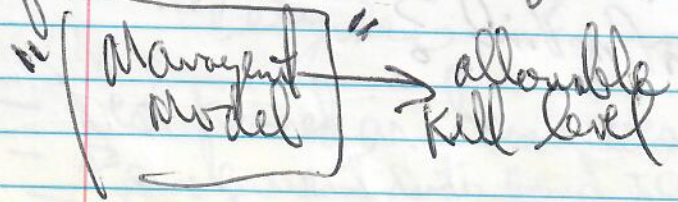
Bycatch Kill = $\sqrt{\text{Very small percent of Pop. size}}$
Scientific legal 2 conclusions ① Failure to say what "Status" is.

Marine Mammals BTP TUPPA - Dolphin
By success in reducing mortality

1. OHS Program - mortality
2. Research - abundance - size of Pop
3. Legal weapons - (MMPA)
4. Environmental Groups - public sympathy pressure
5. Incentives to Fishermen

all above led to: 1) Gear modification 2) Gear mod. improved
Biggest lesson in 20 yr. = Best Biol. model

not they same as best Management Model.
Different Models have different purposes
well talked about today are Pop. dyn. models - go from one place in time to another.



* Puna/oo - Dewight - Fish need "BOLD" in handling report
Gillnet killed turtle? hook
Aetrea - no carcass found? ct/wt - Punaluu 95
SAS

VIRUS - Transmission - Urine, feces, Tears.
1/26 Hawaii Tribune Herald
Tom Cuddihy - Shark ?? Chms no

12/6/95
Wed.

(1) INSULAR Pacific
NW Aust.
Solomon
PNG

need
"Definitions"
section

(2) Mexico
(3) Malaysia
C. America

Need
PARAGRAPH extent of protection.
LAWS - BY-CATCH
LOGBOOK/LEATHERBOOK
JAPAN/AUST. MEX.
MALAYSIA
B.O.C.
USA
NITIA

Vortex can not handle more than 100 offspring per female.

(see p. 110) Will ratings be given for each parameter for other ~~tax~~ derived? How to evaluate significance of results

MON THURS
4-7 DEC. 95 EXPERT WORKING GROUP MEETING ON THE STATUS OF MARINE TURTLES IN THE PACIFIC OCEAN

11-12 DEC 95 "FY 1996 SEA TURTLE FUNDING ALLOCATION MEETING" - Silver Spring, MD
6.6 Million last year - hope to have 3.0 this year
"AHP"

PAS
Melanie
Quality
INV
IT/ATT

Need more Rec. plans setting report
"EXPERT CHOICE" software - decision allocation ratings models
Development of "Process" is what's important 1290 overhead

"SEFSC = \$25K lab limit."
Holding HL to different standard than SEFSC!
Need reports for \$ but not necessarily peer reviewed journals

DAVE OWENS - \$5.00 sample for sexing blood.

96
Multi-FAN
Posters

"SATELLITE Telemetry of migrant male and female green turtles [Breeding] in the HAWAIIAN ISLANDS" by G.H. Balazs & D. Ellis

green and hawksbill
"Growth rates and ^{extended} residency of immature green turtles at Kiholo Bay, Hawaii" by G.H. Balazs, M. Rice, S. Murakawa and G. Watson

"Place holders"

wire tags for hatchlings, Magnetometers

Carrie Allen ^{sent} Silva - NMFS - P.S. - one Blackburn Dr. Gloucester, MA (508) 281-0193 01930-22

12/19/95 YAKU - SHIMA ISLAND ^{Island} ^{2nd Journey} EWC John Cusick 944-7243
Telex World Heritage Site

Peggy Hodge - 262-5674
Dec 95 Honolulu Mag.

Satellite tracking of hawksbill turtles nesting in the Hawaiian Islands
Balazs, Rice and Ellis

12/20/95 Graczyk (VAB) Fedex #4434132043
2 - Tubes #123 - PUNA'U Tmp 11/29/95
Fecal collected at Kewalo tank

12/20/95 ^{2nd Language} on records
offices OKAMURA - Turtle at Halema
Sham ^{lost} ^{too large} ^{fallen}

11570 Fortsch ^{new 77} 1986 Hygienic Store & 200 yards - ^{used} ^{can} ^{lot} ^{photo} ^{Hawaii}
Vicent 47 664 Kam. left there ^{too large} ^{fallen} cut through used car

Vicent
St = 85
CL = 92.5
Released Rainbow
1/20/95
W. Shore Molokai
Sent

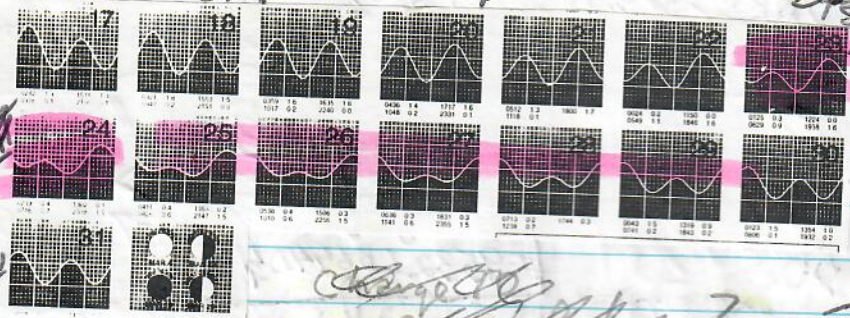
November 29
Jan Reichelderser (email msg. from Gloria on 11-28-95)
She works for Parsons Birnckerhoff (consulting firm who did the EIS for helping Barbers Point Harbor get their permit). She was working with Gene Nitta regarding the monitoring the activity of turtles at Barbers Point Harbor. She was wondering if you could provide her some literature or background of the occurrence of turtles there. She would like to know what kind of impact they would have on the turtles. Her address is Parsons Birnckerhoff, Pacific Tower, Suite 3000, 1001 Bishop Street, Honolulu, 96813.

Marquette School Four Seasons Resort 3900 WAILEA ALANUI Kihai 967

23 Dec SAT FL 88 620 AM (540 AM) FL 80
 FL 283 435 PM (next earlier = 410 PM) Kellie Foster - Permits 97

SPRING VAC. = 3/23 SAT. - 3/31 Sunday
 Depart 23 MARCH 96 SAT day FL 831 905 AM → 1 PM Ticket 1/8/96
 arrive 12 noon 24 MARCH SUNDAY

Seats 2A 2B
 20 MARCH SAT FL 832 900 PM - arrive 30 MARCH SAT 930 AM



SAT
 PASS PORT
 NO VISAS needed
 Bob Morris recommends
 Charges ??
 Seats

[31] From: Shawn Murakawa 12/21/95 10:49AM (1802 bytes: 26 ln)
 To: George Balazs
 Subject: Re: Balazs
 Forwarded with Changes
 From: George Balazs 12/21/95 7:50AM (446 bytes: 7 ln)
 To: Shawn Murakawa
 Subject: Re: Balazs

Message Contents
 George... I just got back... I was trying to reach you at home, but the phone just kept ringing... anyway... it was a tagged turtle (R34 11570, RFL NNW771, LFL 2986). EXTREMELY decomposed, melting skin, smelly, unknown tumors. I took both FF with the tags and brought it back. I took whatever measurements I could without the body ripping on me. It was SL=85.7, SW=66.7cm, CL=92.5, CW=92.0. It looked like a male but I couldn't tell because when I pulled the tail it ripped apart. There was a 10 x 14cm hole on the 3rd-4th lateral ribs. Couldn't tell what damaged it, but the insides were all full of sand and sea water. Tons of flies. I just wanted to double-check with you before leaving, but I really didn't see myself bringing it back in that condition. I photographed it and then spray painted it. I gave Linda (Country Cars) Dead Animal's number and thanked her.

Correct?
 right
 check polaroid photo

photos and return to Giff

Location of strand = KAH

P.S. Tried to look it up in TDPS, but found no matching numbers.
 Please call me at home if anything makes it necessary you need to talk to me. 395-6409. Do you have any of the quarters I gave you and Denise months ago? Drive safe. geo.

I'll be leaving around 8:00 to go and check out the turtle at Kahaluu.
 Shawn- I wont be in until midmorning.
 fiberglass patch previously applied 1/92 by R. Morris due to necrotic cavity in mid side of carapace. Patch came off 1/6/95 exposing a hole 13.5 x 10 cm and 15 cm dia

1/20/95
 Released from SLP by R. Morris from boat off west shore of Molokai 21.13°N, 157.16°W

EXISTING NNW 771 RFL
 2986 LFL
 applied 1/6/95 at SLP 11569 RH SCL=85.4 x 6
 11570 R3-45 female

Message Contents
 I just received a phone call from a man named Charles Caldwell. He's a PADI instructor in Hilo for Hilo Divers. He conducts dives all over the Big Island. He sees turtles resting in the reef while diving and has been allowing his students to "pet" their flippers or shell. If the turtle wants to move away he instructs his students to let the turtle go and not to hold it back. He wanted someone to provide him a definition and quote regarding "harassment". He said that he wants to know if what he's doing is illegal. Could you please call him back at 808-965-0098. His address is P.O. Box 10057, Hilo, HI 96721.

98 Telecon CHARLESTON McCallum - KBY Am. Express
12/20 HILTON HEAD - (803) 842-4402 532-1888

Am. Express Hotel Room Lillian 26 Feb FL190 via A
72 hours #129537 LA To Dulles 27 Feb

cancel Michelle #121
1/4/96
Nancy Wittse
31 March
300-328-4561

Charleston 661-7856
March 3 = Sun.
Depart 9:55am
Charleston

Telecon Home Dale Hampshire - Vancouver BC
1/4/96 goes to Vanuatu monthly, knows a
MARCUS Thompson ^{American} estate IS, raises
cattle. Does headstarting of ~30 turtles a year
for release. Looking for funding support.

#180 weekly rate
#116-366-5399
5 days required

#355

1/29/96 FL194 9:30am
UA935 Annie 8:11pm

Sam Joyce

1/31 FL 6834 12:45pm
FL199 2:05pm → 5:55pm

Received frozen
Olive ridley
Corymbus

1/9/96 15 sats - 15 new biopsy punches to OBSERVER PROGRAM

Telecon Janet Bailey - Swims between Suda Store and Maui-Coo - Kihei - See turtles.

Reports from on file from Kathy Smith Ron Hanson - takes excellent photos of turtles.

sent Kelly Perry 61-4413 KAM Hy 96712
1/12

Sat. Trans.
 need off ~~Funlow~~ Turtle
 For Release - KBay
 1750 Kalaikawa Ave.
 Suite 1104
 Honolulu 96826
 Nick = 547 1201
 Nick VIA FWS
 1/4/96 ~~Not~~ 941-3888
 Kimberly
 3-5pm TAN and STRAWB
 TO Dennis
 swims off work 99
 periodically sees
 H. Shore TMR
 Turtle.
 2 heavily tumors turtles seen by
 NICK PERN - during same time Sept 95
 there

1/12/96 Telecon → 100
 NIGHT
 Sees 2-4' interst. Sleeping 6-30' deep 40 square yards
 need Makaha Surfing Beach - Front of hotel,
 an right. Shallow reef drops off
 → Tim AYLWATER
 85-658 Farrington #701
 Wahi, HI 96792 Tel- 696-4342

need Telecon
 David Gray ^{property} A dozen "WAILAMO"
 4364 HOPELOA Place Between
 Honolulu, HI 96816 7 pools
 734-3388 Honolulu & Lindbergh group

1/12/96 LIVE Turtle shipped from Maui with crack
 Friday at KAHANA, Maui
 bleeding injury "gore" on carapace. Said
 to have been hit by surfboard (sheq?).
 Small tumors externally. TO Makai Avigad
 Clinic. Many small tumors around gottis.
 are pulled off with speculum in exam,
 need for treatment at Makai 1/12 to 1/16 ^{TUES.}
 Dental patch by DR. MORRIS

1/17/96 K-6 Ms. Leila Albano
 grades August Ahrens Elementary School
 94-1170 Waipehu Street
 Waipehu, HI 96797
 Sent 1884 Columbia
 Rd, NW #706
 Washington 20009

Telecon → 1/18/96 Scott Atkinson knows Mike
 will work in
 Sen. INOUYE'S office.

100
484-1111
ALOHA

Southwest =
800-435-9792

ALOHA 484-1111

19JA

19 JAN 96 Honolulu to KONA

FL. 23

FL. 6:00 AM - 7:00 AM
82

4:35 PM

NATIONAL
NDSPH

SHARK ATTACK

ON

TV4

10PM news

sighting of shark here are
week earlier.

1/16/96

53 year old
Calif tourist

Robert

Swimming

ROGOWICZ

Napili Point, Maui

Aer & Listr
1/18

5" laceration on leg

100'

48' deep

8-10' gray shark
kicked at shark

APT Room A10 - Napili Point Condominiums

Tel. 669-9222

66 BRODEA WAY

5295 L. HONOAPIILANI
CABANA 96761

SAN RAFAEL, CA

KAPALUA -

669-8467

Telecom
1-31-96
ANNE
Dolan

EARLIER CASE - ON KONA, DATE = 11-25-96

Wendell OLANDLAN

7 year old

body boarding. WILCOX HOSPITAL

DR. T. GROLLMAN - stitched him.

Memo and
letters in
file from
Don Heacock.

"Almost perfectly round plug of tissue
removed from leg - 1.5" diameter.

Small piece of tooth removed from muscle

(not bone as said in newspaper). Heacock

sent tooth to Jack Randall who sent it

to Cookie Cutler, shark authority for ID.

SAT 1/20/96

4:40 PM Telecom Scott Bloom RE: ANN MCDUFFY HONO. ADV.
N. Shore Stranding. I left message on Recorder.

525-805

ALONA HILO FL 1045 am 8 Feb Thurs, Natural 35
Re. LOCATOR 246 # 1163667213 101
ND3XVH FL. 422 pm 9 Feb Friday BALAZS end
ALONA 45 MOWIS

1/8/96 Sampling at KRF
1/12/96 small Maui via Brooks KRF Plasma
EUTHERIA Dental Patch - Surf Bounding Net for BANKING
LEL 1/15/96 Oahu Strand - Haleiwa S. Molecombs plasma for BANKING
J10 1/19/96 Received J10 Mamma Cani Release 7/94 - AT MR. Ruffles
BOAT RAMP - 2 wks. TO KRF - 1147112 weed Blood + data
1/19/96 Deployed 24179 ST-10 2/4 cycle onto Y193+
FRIDAY KRF LANA'I, HI turtle - released into h Bay (Kamohi)
Beach Park) at 230pm. = +10 hours = GMT 0030 20 JAN
J10 MAMMA LANAI PLASMA FOR BANKING - Bled 1/22/96
+ 2/15/96 Release

EWC John Cusick
1/22/96 "Exploring effective protected AREA
Monday MANAGEMENT FOR YAKUSHIMA, JAPAN AND
SIGHTSEEING THE HAWAIIAN ISLANDS"
"LAW OF UNATTENDED RETURN"

Turtles - ① loggerheads eating crabs ② overprotection
can't take eggs - can't watch turtles nesting
③ erosion from dyke at river - less
sand now than when he was a child.
④ 2000 turtles

23-24 JAN 96 LA JOLLA SWFC Meet w/ Dutton & Dizon
-25- BUT spleen & heart worms mixed in same tube + others (see sample list)
25-26 LV All Genomic DNA Hawaii All Longline to date

1/23/96 EU AND recopsy of 1/15/96 Haleiwa Strand
TUES. JESSICA Malamb Tudor Sc.3 SCL-48.6 ccl 51.5
29lbs. Adult parasites collected + fecal & intestinal
to ULTRA freezer TISSUE
SL=48.6 CCL=51.5 29lbs

2-8-96 EU Thruery work "1-12-96" Maui w/ Dental Patch.
2 WORMS FROM HEART; fecal & tissue JOHNS HOPKINS. PRINT PHOTOS OF HEAD & JESULA

CAJULLA meet w/ Dutton Dizon

Meeting notes Summary

24 JAN 96
Wed.

- 1) Send Peter Dizon proposal & report ✓
- 2) Staff meet write up
- 3) Bone - DNA? ^{Seal all to Hargrave} _{workwide not in} re: Scilly sample **need**
- 4) CITES permit status? check again w/ Nitta **need**
- 5) Cordoro - w/ Coast stranding
- 6) "Bank" WWW address? write up **need**
- 7) Summary by Dutton - workplan
- 8) ^{BY SOME IN DNA} _{then} Dutton doggerhead + 2 olives
- 9) Genetic tissue archive - SWFSC ^{MANUAL ARE BY DIZON} _{Genetic MATERIALS} **need** _{crutle}
- 10) ^{need email Andy} _{need} M. M. ^{some} _{need} ^{SWFSC} _{need} ^{publications} _{need} ^{reports}
- 11) Dutton's thesis - ^{need}
- 12) Research Plan + ^{Hook} _{Dizon & Dutton} ^{Hardly} _{reports to} ✓
- 13) Jeanette Norman papers / ^{green paper} _(is this it?) ^{work} _{atop} ^{AWARD} _{Budget}
- 14) Mexus - coop w/ Alberto ^{visit to Casola for techniques} _{message to Alberto RE: Mexus draft} _{+ TO Echert}
- 15) Controlled study of mating male DNA - ^{hathly's} _{S. L. P.}

need Summary of Seat notes

need email Andy

Buy reagents

1/30/96
TUES.

1- DNA Biopsy Kit (4 punches 2-soft tissues)
1- pole
TO TOM Shearer

whole olive ridges
Received from
1/26/96

STRAID

1-26-96 Plasma for banking (2 vials) from
KATHUVI, MAVI, Live Strand
ED by Thierry work 1-30-96

2-2-96 FedEx TAGS 9302 - 9400 + 1 Application TO
Don Petersen SWR + JOP

PREVIOUS
"Hilo" 7-25-95 plasma for BANKING ^{Received} FROM Bob Morris -
Transferred to cryovial TO ULTRA Freezer. 103

Fedex #4434132220 1/30/96 to Aquino by ice
32 x 2 plasma samples from 10/95 K Bay collections
when he was here under contract.

2/1/96 Fedex to Aquino #4434132021
10/20/95 Cibaca - 10 ^{C.M.} Cryo Frozen at 10/95
"D. Pence" Texas Am - Retired. 951AM FLAX
fresh necropsies

Tolecan Scott Boykin "Dry Tortugas for "Amoebicops"
2/2/96 NPS - checked nestling every morning -
mainly Colletes
3 green nests - 1995. A Tom Willmors in MAQUA

Debbie Miller - Maui - 874-5131 - need to contact
about "Ocean Project"
2/5/96 EV of Strand "2-2-96" Haleiwa
Harbor - by Thierry Work
w/ Denise & Nick (FWS) PLASMA FOR BANKING
spot on lung. Only a single parasite found - in heart - voucher for Thierry.

2/7/96 Ms. KAHI ^{sent} KAHAKUI 796 Isenberg #5J
HAWAII 96826

2/7/96 Y193 1090 formalin tumor TO A.A.4 Y193 Punaluu
left eye front corner; Y193 light eye conjunctiva
8-9 FEB. 96 PUNALUU #30 4 TUMORED
24 CAPTURES 5 night (2 new, 3 recap) (11 w/ JAW HINGE BUMPS.)
20 Recap / 4 New w/ Bob Morris (7622, 7623, N832, B25 TO Hilo release
70.4cm)

HA-96 Deploy 24176 ST-10 11/29/96 KAUAI KEF
Kaneohe Bay 1-19-96 9:30 PM
20/4 duty cycle 5L 6.9

2/14/96 Fedex Hydrophane to Maurice #4434131881

2/13 Fedex Punaluu RBC to Dutton 24 turtles (Some dupes)
#4434131892 from previous DNA
done for C. Sears
collecting

KAWAI MAGAZINE (GARY HOOPER EDITOR)
1351 KUHIO Highway, KAPAA, HI 96746

Need

2/13/96 Fedex #4434130525 TO GRACZYK
Fecal and Tissue from EU T. WORK Turtles,
as follows: (for Cryptosporidium)

- 1-12-96 KAHANA, MAUI - 4 VIALS
- 2-2-96 Halewa, Oahu 3 VIALS
- 1-26-96 KAHALUI, MAUI 4 VIALS
- 1-15-96 KAWAIOA Beach 4 VIALS

of Senator AKAKA's office:

2/12 Telecon Ross MWA KAM: (202) 224-6361

2/13 sent Fedex # 83 100 43742519 5254M VIA MIKE CAVES

Need TO GO

2/13/96 Frank 861-8525 Marshall IS. Turtle to Waikiki Aquarium

Dennis NAGATANI State Ag. through, but Military/penalty/custody left it. Agriculture caught it.

2/14/96 Rick Carroll - 261-3563 FAX 263-8317
1221 AALAPAPA Drive
Hailua 96734

CHERYL FRET OF VIDEO - JUST BEFORE SCUBA
diver chasing juvenile green, and after
hawkbill turtle green crawling down
beach, large tumor left eye.

GARY SPINKLE "PACIFIC ADVENTURES" JAN 96
"The green sea turtle population is on the
rise. No longer endangered, they may soon come
off the threatened list, thanks to laws that
protect them. And the lack of disturbance
in this place where they have chosen to breed their young."

EMAL 2/13/96

FRANCIS MORGAN

Wed ~~Thurs~~ 22 FEB Aloha # JMLJIS FL 92 11:55pm
Thurs ~~Wed~~ 22 FEB FL 281 4:05pm ALONA NATIONAL # 105
Kiholo (6:15pm) # 1680
E. Riddle 235-8665 SASHA # 234

Florida Beth Morford (407) 575-5455 need EMAIL PROPOSAL REVIEW

2/15/96 J10 Maura Lani taken to Makai Clinic for X-RAY appraisal by Bob Morris - Back to KRF

FRIDAY A2 ~~Thurs~~ work - Decapsies of
2/16/96 2 olive ridley mortalities in Longline off Kona fishery, as follows:

Humboldt ID 22134 Kanehane to Honoumuli = 72 NAUTICAL miles
ID 22126 " to Honoka'a/PAAUHAAU = 97 NAUTICAL miles

2-18-96 F889 TAG retained 84cm CCL (8/92 TAGGED BASKING US)
SUNDAY Decomposing STRAND IN WAVE-WASH ALI BEACH PARK. TAGS OBTAINED Oahu

21-22 FEB 96 KIHOLLO #23 34 Greens, Thanks bill (Recap)
Wedi Thurs 2/22-2/23 MARC EXAMINED 10 OTHERS - Recap. - New NO TDRS SONICS heard or recovered

2/23/96 72cm CCL turned turtle received from Shipyard Maui - TO KRF.
Strand date ID = 2-23-96

HILTON HEAD IS. SC. 16TH ANNUAL Sea Turtle Symposium
27 FEB - 5 MARCH 96 Needs (2-5 main) (Cave) (VOCAL) (LIVE)

- 1. FAX PASSPORT TO SAIF AL-GHAIS UAE See old ID
- 2. WWF-SP email to Scott ATKINSON (3) PIT TAGS - 150 or 400 HZ, Destron
- 3. Readers read both? One going out of production (4) Barbara - Elliott fresh ED
- 4. Forecopsy Manual - \$15K; ship FL turtle to Hawaii for necropsy - ?
- 5. Send copies of T. Work report to B.S. & Elliott; (5) Shaun N-526 Complete
- 6. Telonius - Produce ST-14's Now (7) Head in preservative (and/or skull)
- 7. to Mike & Ken Johnson (8) Growth rate in Limpus Report to ZUGMA (VOCAL)
- 8. AA - YONATS STRESS Hormones (9) Analysis response? (10) Anne Meyler's hard leather book
- 9. Send Bibliog. to Bob George (12) Herbert Sensitivity Papers (13) Dis. Aquatic Organ (14) ORDER MORE AND NEW ONSET LOGGERS

new made by Clark Winkler Aquarium

106

14 Bob Morris - X-Ray turtles w/ tumors for internal tumors.

15 ~~15~~ ~~15~~

ON MERUS Dutton Alberto Cool on leadbeak + sort out N. Pacific genetic, for now and future + gene bank

16

Citations onto file before call pull from when preparing paper

17

Slides to Sarah - Karen's lab.

18

Copies of abstracts to 1) URSULA 2) A.A. 3) Lipscomb 4) Bob Morris 5) Marie Tizzoni

19

Send samples to Lipscomb (cored Y193 (not Y193))

20

Thane email - quality of plasma for sex deter. onset

21

Being Marshall IS, turtle to HL. Blood/PIT TAG, Genetic sample.

22

MISG Pay for Strategy ^{AFAB} ~~there~~ publication

23

Lunch w/ Carsey (24) eplist olives Publication Fed Reg. To Henry Reinhart

25

Meet at SLP - coil on head; communication - SLP hatch release

26

elsewhere; Use Pit tags - Lagoon & to mainland; water in Ohio

27

Virginia? other turtles in tank? (26) Try again - Fax ^{Liprus} ~~prime content~~ paper.

28

Need Barbara Alan - Brandant type of Resin (for Anna Shaver - send turtle rehab)

7353437475

3/6/96	Fedex to AFIP Tom Lipscomb -
see 2/19/96	H 915 (only) tissue and leeches mouth
form in 1996	R 586 (only) tissue - mouth
file	R 91 (dup) tissue & amphipods mouth
	K 257 (dup) " & leeches "
	7404 (only) tissue & amphipods mouth

D. Scott 1007 AM 3/11/96

EARLY APRIL 96 DALE ZARELLA ACROSS THE BAY FROM PELOU. HEALTHY. CHECKED IT OUTS 878-3265 FED ~ 100lbs

3/6/96 Telegon Sapphire Moon re: turtle male in pond near Ka Poho. Bill Devick

3/7/96 Telegon - Andrew Evans (10% Avela) sent doing hawkbill report. BOX 374 LANAI CITY 096763

3/6/96 ID from Maui - Plasma for banking. X-rays at Morris. TO KEF plus

3/7/96 blood for plasma banking and DNA from (Sep. 104) Marshall IS. turtle held at Waikiki Aquarium

3/12/96 2 New Biopsy DNA kits & ONE POLE TO LONGLINE OBSERVER PROGRAM.

Fedex TO GRACZYK # 4434132242 "Copher" 9:15am

3/11/96 "2-22-96" MAUI - 2 tubes intestine, 2 fecal
Resulting from T. Work EV/necropsy, Received

DPY ICE
UN 1845

2 Vials (Ultra) 1) "2-22-96 Maui
from AoETA"

2) "1-12-96 Kahana, Maui
Arteries (2)

Teleson Tom Friel re: "Bob Margini" 233-9736 reports seeing
5 bullet holes in turtle feeding at Kahaluu
Beach Park - are bad projectiles sticking out

3/12 Teleson Carol 586-0222 Sydney Motner 834-7173
TUES. Strand Kahala Beach Park flagged by
SSG sent regarding 73cm

Teleson 3/11 ANW Brosher Kara 328-9110
82-6037, MANINI Capt. Cook 96704
Someone saw a turtle entangled with fishline at Kahala
Beach Park

3/15/96 Received J20 Maulani strand from MBH AKA
Now 36 lbs. TO KRF with other MBH. PLASMA for
SL=48.5 banking (2 tubes) and RBC for DNA. (see p. 25) Been
ECL=52.0 back in pond since 5/17/85. orig release 7/3/91 21.4
cm

*4/4/96 Released KAWAUKU BEACH PARK - 2 tubes PLASMA
FOR BANKING
23/6 Doug 949-2633 Turtle restoration program
in Kaneohe (?)

3/14 sent TO Dutton - piece of humeri bone from
sign 10/91 Scilly and 1993 Rose

3/21 sent CINDY CARLISLE 22 Puako Beach Drive
Teleson: Kamuela 96743. Turtles resting on rocks in front,
"WARNING" SIGN sent. BOLTED AT RIGHT-OF-WAY

4/1/96 DAN GROUT FWS ROTA
I705 - I800 + 4 plains + 20 Bropay & Salt
(ALSO TO BE USED BY SCOTT VOGT - SAIPAN)

108

sent

98815 ----- Message Contents -----
Jan Newhart, 2600 Pualani Way, Ph: 926-7651. Called to report a sighting of a tumored turtle. Saw it while swimming (3/11; 530pm) off the Colony surf. 1/2 way between the shore and windsock in the channel off the breakwall. A very large turtle (2+ feet) with 1 large grapefruit sized tumor on left shoulder and numerous small tumors on right side (water was too murky to get a good count/size estimate on these). She wanted to know if we still wanted info like this, said it seemed to be swimming and breathing OK. No tags sighted.

Hawaii
Blue print
redone?

~~scribbles~~

GHB/GCB

She also said to say HI to you, George, mentioned something about helping find a sick/injured turtle about 10 yrs ago.

24-31 MARCH 96 - JAPAN: NARITA → TOKYO STATION →
NAGOYA Aquarium. NAGOYA → Hiroshima → MIYAJIMA IS. →
Atom Bomb Museum → LUNCH → SETO/HAYASHI BRIDGE SAKAIDE
→ NAGOYA → KYOTO → NAGOYA → OKAYAMA → KII PENINSULA
→ OSAKA → NAGOYA → NAGOYA Aquarium → TOKYO →

Kohman Y. ARAKAWA
20-24, Fujinoki 2-chome,
Saeki-ku, Hiroshima 731-51
JAPAN

4/3/96 541-3184 Naomi - MACTEST/NOAA Sanction sent FAX 541-3450
4/3/96 Duane Merdora sent 966-6037
P.O. Box 939 KENAN IS. Humane Society [Scott 934-7294]
Hilo Vet Clinic = MARTA ~~961-3486~~ FAX 968-8335
4/3/96 William Ing Hawaii Tribune LEPOS - 935-5962
Herald - page 925-1281 711 KAWOLEHU sent Hilo, 96720
Dead with tumors.
Frozen by M. LEPOS.

4/7 Sunday Mac Rice will attempt to catch turtle w/ line at NAPOOPOO, Kealahou Bay - Manini Rd.
(Not seen, 4/9 Charlie Nahale Docree says turtles seen today.

Ch...
A...
wee...
3-22...
Teach...
Vick...
06...
Back...
at...
TEST...
Pack...
89-111...
4/3/96...
4/3/96...
4/3/96...
4/11/96...
9 APRIL...
SHE BOP

7/24 Check FL 22128 - transmitted last in 7/95? need ARGOS maps AZ 109
Florida need "Beyond Honolulu" VIDEO need ARGOS maps AZ 109

need TOMOE 956-7777 (John Fisher) call
INTERVIEW - SACRED HEARTS HIGH SCHOOL

3-22-96 Friday Teacher
Alice Chang 951-7445 grade 7 2048 Coyne St.
Honolulu, Hawaii 96820

Mrs. Vicki Connor
Lady Garvett 236-3060 grade 7 45-124 A Waikahua Rd.
Kaneohe, HI 96744
Mother LIZ

BACKNOTES SLP sat. TRANS. TESTING
♀ 7/22/92 2051 SLP LAGOON Attached
♂ 7/23/92 Y32, Y33 SLP " Attached
9/3/93 Removed both mockups from turtles
MOCK ST-3 wood mock

HONOLULU 10 APR 96 620 PM AZ 109
ALOHA 484-1111 # NHG 335 #31 NATIONAL # 7:35 PM

4/2/96 M/S Ashley Wheeler Elementary 6th grade.
BIRTON 12 years old.
sent Wheeler AAF Wahiawa
Wheeler 96786
Photo 12-13 SEL

4/3/96 EU Thierry Work
NO Trematodes found in either heart. Photo 13-4
Blood for Plasma Banking taken 4-2-96 from both
ANDRAN "3-6-96" and "3-25-96"
CANNIWA MAUI 21 lbs

Kealahou 4/3/96
Kind Turtle entangled in net. Reported to Marc Rice
Carolyn Gamble-Cregg 328-9948

4/3/96 H271 (4/22/92, 9/28/92, 3/3/95 killed)
found dead at Heanaihi, south of "A" Bay.
Reported to Marc Rice by Alan Brown
property owner. Retrieved and frozen at HPA by
Marc. Shipped to AZ.

9 APRIL 96 Heather McSharry, MAEC webber, GMB, JAW, Beth FINTS
GAVE BIOPSY KIT FOR TERN ISLAND ANNUAL EAST IS. Turtle COORDINATING Meeting.

Parmenter
Tucker
Munnell

C.C. bone aging
WORKSHOP
1-7 DEC 95

E.W.G.M.
on the status of
M.T. in P.O.

12/7/95

"EXPLORING"
Models

Turtle-specific model

See 95
p. 95

Source of hidden "mortality" ? Great whales

need Alberto - Appreciate information
impossible to do job without

Scott's Summary - tape Quantitative perspective
Campus - negative - don't get as far as we'd like

imp/swe
Phil without

12/5 SEX mat. = 36 MAX age 70

0-9	25%	Mort. per year	$\lambda = .919$
10-20	25%	" " "	
21-36	12%	" " "	
37 → (Adult 10%)	" "	" " "	

80% ♀s not breeding annually

50 per capita per female "born" - starting beyond water

"1 out 10 = decimation" according to Scott Ferson.

need (sent)
Nancy FAX 529-3312

4/12 - HPD to Home Res. Charlotte Mello 696-7655
Friday found 20 miles out "spines on back" 14" x 12" shell.
USSG & Ian Makai Clinic. Dead when picked up by TDAZ.

Mail
Lipscomb?

Need - Request Scope of work - marine; AA; Ti work; Larry/Paul

Ticket change - Kelly - TO 27th Feb

Jessica = 111
HPA (808) 968-4260

Stratton
WAA/KK1
for 4/12/96

CDNA

no confirmation no (Km 1235)

3 - doubles

9 AM

9436, 9444,
N 763, 8401

4 month samples
TO Dennis Russell
4/11/96

PUAKO 10 APRIL 96
(SHORE) 19 captures

Thurs
4/11 Telecon Jeff Bergert USFWS Ecological Services.
Re: Stranding response on BIG IS.

TAIWAN - TAIPEI - PENG-HU - WANAN

9:30 AM Depart Monday

22 AUGUST 1994 UA FLIGHT 827 Honolulu-TAIPEI
MONDAY VIA NARITA and Seoul to CKS Airport

Taipei, Taiwan arrive ~ 6 AM. Met by
 charge E-Juan Cheng and taken by taxi to Taipei
 Teachers Hostel. Stayed there. Room 601
 Night of 23 Aug. TUES. Met by F-Juan at 8/24

8/24/94
 Wednesday
 7:30 AM for Chinese breakfast in hotel. At 8:00 AM
 went to Agriculture office to meet with official
 Lunch back at hotel. Departed Trans Asia Airlines
 at 1:30 PM (twimprop) for Peng-Hu Island - 45 min flight

accompanied by Taiwan PBS reporter & 2 camera men. Taken
 to "County" government office to meet with officials,
 then to wharf to wait for 4 PM high speed
 cabin cruiser to Wang Island (30 min trip south).
 Taken by Army truck to Wanan hotel - Room 210.
 Rep. from Taiwan Info office here. All buildings
 cement - report 5000 on island residents. Peanuts
 grown. Fishing mainly at night. Buyers from Japan.
 School was turtle painting (with others).

Brochure about turtles given at dock. ^{HMSD to ASH}
 Worked on wooden boat (pen) with T-JUAN'S
 assistant on island (said to have fought
 with Red China in Korea war - then given
 up to U.S. - fed to Taiwan). At 11 PM
 we (many) took water scooters to beach -
 street light on hill - police station light on
 right on beach - small harbor w/ breakwaters.
 Lots of fishing boats offshore - some
 w/ bright lights for squid fishing. Crane (old
 yards all nearby. / strip bones?)
 Temples mix of Tao/Buddism, other Gods.

30" width

NIGHT
#1

1994
 8/25
 Thursday
 Wen A
 NBT 6
 TWC 0

- 9) Address of Wild Bird Society
- 10) Sae/sead's report
- 11) Hi-Ling = I-Jiunn
- 12) Chinese characters + dictionary
- 13) Need larger print for TASI 5x7"
- 14) Renew Hawksbill permit - file letter ASAP
- 15) Bowen - hawk blood sample?
- 16) Report on Rose Cuckoo/gill [newspaper - whatever happened to? clean-up etc. S. Scott]
- 17) Shark Book (NMFS Library) book from Steve Kaiser MTN
- 18) 1995 Year Sea Turtle Buttons (# from?)
- 19) T-shirt for I-Jiunn - medium
- 20) Bolten - cut # 5T-6, give address
- 21) Hi-Ling small book

PM - AM of 24 Aug
 Wed pm Guard patrol looking for smugglers on foot.
 Old man pointed out ^{reputation's} places where they counted eggshells then through remains in water, or left shells scattered. All bodies pits look very shallow - no waddy high mounds. Only one set of tracks discrete - said to be 2 days old. All others look quite smooth - older.
 I-Jiunn I and assistant took motor bike to another beach, more cemetery nearby. This is beach where cement walkway reported removed. ^{Heaven} Then drove to beach closer to ^{GATE} houses - more cemetery - I walked one way, they walked another. They saw track a few days old.

1994
 8/25 Aug & LAU - "E" I-JIUNN ASSISTANT ON WAN AN
 Thursday Lau - I I - Kuo - Jen YANG, TUNG-CHENG

Fought in NIKOESA FOR Red Chinese, Surrender TO US.
 Young Yang, Tung-Cheng, I-JIUNN Graduate Student
 wan An (High School Student 1st year) Yang, I - Wen 8/25 -

NBT size TW001 - TW500
 INCOVEL P.O. Box 7-215 KEELUNG TAWAN 20224 R.O.C.
 NIGHT #2 8/26 Beach watch + Hu-Hing, Lin Beach "B"

Up ~ 7:30 am - High tide last night was at
 8/25/94 about 2 am. No turtles were found
 Thurs. anywhere on the island. 8:30 am
 walked along for ~ 2 hours. Photos
 Roll # of courtyard side, temple, cement walkway,
 High school, Cement bath house, beaches. Noted
 Turtle painting underneath of bathroom from typhoon. Sticky
 oil patches on beach. Dogs toward
 sewage pollute swimming beach? Had
 lunch at hotel in group. Small abalone,
 fish, egg and oyster dip, squid, seaweed soup.
 Shrimp. Same for dinner. "WAY" HUI-King
 Lin arrived ~ 5 pm. Business cards!

High school
 Turtle painting
 Brick block
 HATCHLINGS
 No nesting
 restore?
 for future

10F-3 No. 8 Chang-Te Rd
 Taipei, Taiwan 10210 ROC

"LIGHTS" out
 bumper
 stickers
 nest

BOAT
 off road
 8/25 23.272
 23.029
 119 21.689

At ~ 6 pm we spent ~ 1 hour to
 sunset in fishing boat in calm
 area off Beach C where turtles
 have been seen surfacing, and reported
 caught in nets - break nets -
 eat fish. NO turtles sighted.
 ~ 8 beach goers seen at Beach D.

NIGHT #2

8/25 - Monitored Beach B from 11 pm to
 8/26 4:30 am. Slept while in rocky
 gun encampment. Saw old nests -
 Friday collected egg shells from nest
 dug to count productivity.

8/26 Slept to ~ 7:30 am. Breakfast at
 194 other Cafe, then 9 am depart on

8/26/94 fishing boat for island to the south -
 Friday approx. 40 min. Trip. Passed by Rock¹ with many ^{anxiety} birds. on left - water and wooden rocks.
 Small concrete building village on island.
 Very few people around. Checked in w/polic
 All walked a short distance to the
 only beach - borders large graveyard.
 Side of mountain has ~~plowing~~ for agriculture
 presumably peanuts. Photos of pits
 showing phony dug pits with broken
 turtle shell fragments and unbatched eggs,
 large sopping area. Several pits
 present that are authentic.
 Motored back to island arriving about
 11:30 AM. Lunch, photo at Hotel. Slept.
 4:30 pm meeting with Wanda County
 government chief (bought position - kick-back from
 sidewalk/bathroom project). Slept 5:30 pm -
 10:30 pm.

8/27 am At 12 midnight with divided up
 Sat. into groups to watch all beaches.
 I was with local man at Beach "B"
 again. Noted fresh successful body pit
 near concrete pillars at base of lookout
 site. This had to have been dug
 after 4:30 am 8/26 Friday when we
 departed from Munitiza. Noted sand mining
 at north end of Beach B.
 At ~ 1:30 am we were signaled by
 LI about about turtle being
 found. AT Beach "A".

NIGHT
 #3

70

I have to date attached and deployed transmitters to all greens successfully tracked.

8/27/94 Watched by ^{LTN-I} AT, but next is not successful so pieces of box transported then assembled, and put over turtle on somewhat grassy flat, at ~3 AM.

Returned to van with I-Turn to assemble all gear. Returned at 5 am starting to have light in sky. ST-6 System #7043 ^{CODE} 04240 turned ^{no cycle} ^{all the} ^{time} on at 5:05 am Taiwan Time 8/27/94. SAT.

ST further deployment

Started scrubbing shell at ~5:30 am. Small patches of stubby (short) green algae, but no other fouling growth or carapace. Soft supple skin - no skin bars noted. 3 adult fleas on smooth skin of dorsal neck.

Measurements of ST-6 (white epoxy):
Antenna = cm; length = cm; width = cm; height = cm

Magnet on top left (with wooden sticks) and black line. Said to be older of the two received in I-Turn's program.

Basic attachment procedure used with following modifications:

Photos of each step

- (1) Step #1 - Trimmed 4" wide pieces to fit smallest size of ST-6
- (2) Poked hole in 15" length-wise piece, and notched-out each side to accommodate screw heads on anterior surface.
- (3) Used pieces of brown plastic bag to mask-out white of transmitter.
- (4) Alcohol, instead of acetone used to clean carapace.

MOUNTED WITH hours 2:15 min Screw heads & Antenna facing anterior.

8/27/94 5:30 - 7:45 am attachment time. All went SAT. Smooth. Card put under last cloth layer with ID CODE, and Chinese characters and English - Do not disturb, Do not kill. Many photos upon release. Video also.

Curved Carapace Length = 101 cm
Straight Carapace Length = 93 cm
TAGS = ^{existing} R1-2 TWO2 (NOT LOCKED)
new RFL = TW115, new LFL (has healed slit-off)
Tag loss? = ^{new} TW015 RH = TW010 new LH = TW110.

8/28 SUNDAY 2nd AM TURTLE DEPLOYMENT

TURNED ON 5:10 am ID CODE = 6635

System #287 Technics plate on posterior side (non antenna side)
Antenna = 15 cm height = 4.5 cm
Base 14 cm x 6.5 cm
TOP 12.5 cm x 5.0 cm

Philips Screw heads center 3.5 cm up from base.
Antenna originates from between screw heads
(3) Several C.t. barns removed from head; ^{to carapace edge} 1-HF; 1-FF

NIGHT #4

CCL = 94 cm
SCL = 88 cm
NEW TAGS APPLIED = "Heaven" Stage Mounted

(R1-2) TW005 (EXISTING & LOCKED)
I used a black marking pen to mark white epoxy case.
Release 7:40 am BEACH "A" (Photos)

Teacher lady who I was interviewed 200 m to US turtle + Taipei + slideshow

PROGRAM # 1269
CHow, Lih-JOU used in 8/95

PTT# ID STILL Available = 6636

10/15/94
 Photo 8/28 of girl w/ blue/white top, ON BOAT RETURNING TO PENG-HU 73
 Send photo

中華民國台灣省新竹市大湖路5巷1号

8/28/94 Depart Wai An 1pm Sunday 8/28/94
 ~ 30 MIN TRIP

PENG-HU || SEEN AND PHOTOED AT || SISTER'S HOME
 (MAKUNG IS MAIN CITY) Golden Coin Turtle = 金錢龜
 Long life = 祟 Photo taken.

山水, 澎湖

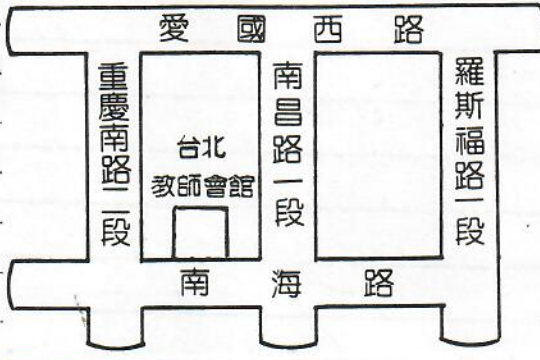
shin-shu, Peng-Hu ~~Archipelago~~ County
 (Mountain-water)

ABOVE IS BEACH where we found 12-hour old track of turtle and 3 false chips next to cement breakwater. Turtle almost got stuck between cement, and possibly could have become straggled in abandoned gill net wade near one of dugs.

台北教師會館
 Taipei Teachers' Hostel

台北市南海路十五號
 15 NAN HAI RD. TAIPEI, TAIWAN
 REPUBLIC OF CHINA

TEL: (02) 3419161
 FAX: (02) 3219378



3pm short interview with video people.

8/27/94 - At 8pm & 10pm I-Jiunn ^{Team} made checks of all beaches because tide was

8/28/94 ^{SUN.} Still high at sunset (decreasing). Nothing found. Returned to all beaches at

NIGHT #4

1am 8/28 for constant monitoring. I was at beach A with ^{WAS I} and.

Small turtle already present covering near 3 deep excavations where graves were going to be relocated to, prior to cement roadway being removed. Relocation graves were next to cement road and this was considered a desecration. Noted again that coverup was very shallow, unlike a green - Body pit (almost non-existent). See photos. ^{WAS I} proceeded later to try to dig out eggs [to show his skill?] Father egg poacher. (The other are on the island was caught on tickets?) Eggs not found. "Restraining pen" put on turtle at ~3am and held-watched until

Need #1?
Pen 28
See width
STRAIGHT
WIDTH
OF various
greens -
88SCI
94 OCT

5am when we returned. Unlike other turtle, the 30" width of pen allowed the turtle to turn around. Attachment process went excellent as per yesterday. (See page 71 bottom)

國立臺灣海洋大學
海洋生物研究所副教授

NATIONAL TAIWAN OCEAN UNIVERSITY

(886) 246-33752

Cheng, J-Jiunn, Ph. D.
BENTHIC ECOLOGIST

886
HOME → INSTITUTE OF MARINE BIOLOGY
KEELUNG, TAIWAN, 20224, R. O. C.
TEL: (02) 7350595 (H)
(02) 4622192 EXT 5303 (O)
FAX: (02) 4633152
BITNET: 8JONR2 @ TWNMOE 10

Home =
FU-YAN STREET
ALLEY NO. 55
NO. 5, 3rd FL.

程 駿
電話 (宅) (02) 七三五〇五九五
(公) (02) 四六二一九二五三〇三
傳真 (02) 四六三三三二一五二

TAIPEI

011-886 2735 0595

Need
YEAR OF
THE SEA
TURTLE / HUAN
Bottom

Name of island S. of Wan an = East 8/26/94
City/Country where DA Yi located? = YUE-PIN 75TRP
Name of Is. across from Wan an = "Commander Is."
See p. 71 & p. 72 JENG-JUN

8/28/94 AT PENG-HU we took a taxi to the DA Yi
SUNDAY (Great Justice) temple located considerable
distance around connecting islands -
(over long bridge). Central God here
KUNYU KUNG (has a red face).
Photos directly at altars not allowed (?)
Under temple in chambers is located
3 pools - wishing wells - (only 1 with
coins thrown in) ~ 11 green juv./sub.
~ 3 hawkbills (juv) and 1 near adult
loggerhead. All were clean looking,
no fresh bites or injuries, ^{OBVIOUS} no dorsal
appearance of emaciation. Photos. Many
show whitening (from under artificial
lights inside). (Flesh, light band of new growth.
Reportedly water changed weekly - pipe
to inland sea area ~ 1/4 mile away. Fed
fish daily. Water was greenish.
Special people to care for turtles.
Up until (?) 2 years ago when permit
system went into effect, turtles were
bought/sold on all systems = 1) for
release at temple, worked upon
'Note - see "turtle sacrifice" capture and sold at a lower
price than ones sold for food.
If worked released turtle recaptured,
it had to be sold at a lower
price second time. I-JUN told that
note - all turtles are now registered under new law.
Relate Hawaii Chinese up until 2 years ago, temple people would eat turtle
if it wasn't sold for release.

76

"CW-I" poached eggs in order to insulate them and sell the hatchlings to pet stores.

Inter-
meeting
for
I-Jiunn

San Lien Development Co. Ltd.

5F-3 390 FU HSING S RD., Sec 1

TAIPEI, TAIWAN R.O.C.

Tel. 886 2) 708 1881

8/28/94 Departed Peng-Hu airport at
Sunday ~ 8 pm on 737 jet "Far East Transport"
Yungya girlfriend picked us up and
took to Teacher's Hotel.

15, NAN HAI Rd. TAIPEI, TAIWAN

Tel. 886-2-3419161; FAX 2-321-9378

8/29/94 Spent the day on my own. Toured
Monday Chiang Kai Shek Memorial. Stamp stores.
Dinner at 'Buffet' in "East Section"
of Taipei with I-Jiunn, wife

Two daughters WAN-HWA⁽¹⁾ YUEN-HWA⁽⁴⁾

8/30/94 TO Taiwan National Ocean University
TUESDAY Keelung with I-Jiunn to sort out
Angus data transmittal. Also,
sent emails from his account, and
showed video "Fall of Ancients" to
students/faculty. Former grad. student Chen
was there - told about pet store in
Taipei having 14 hatchlings for sale
today. TO be investigated.

300 Army
Islands
S. of Peng-Hu

DON-SHA
Island

Spring Island

Evening went to Chow, LI-JOU'S
apartment - hadeking style dinner
at restaurant. Showed 35mm slides with
members of wcf bird society, Hui-Ling, et.
Chen's slides of E. Coast nets; olive ridley; market in
country with turtles being sold (swimmers).

Chow
LI-CHAO

Bus (111 NT\$) to CKS Airport 8am.
8/31/94 Depart VA 826 11:15am via Seoul &
Wed. Narita, - Arrive Honolulu 8/31/94 Wed. 7:30am.

Beach
Mountain

大山

tein tai shan

2-heaven Stage Mountain



台北市吳興街吳興國小

蘇威雄

女 蘇允竺

sent 10/15/94

Beach
RIGHT #1
CITIE PHOTO
sent 10/15/94

Palazs.

柏樂滋

柏樂
ciab happiness to grow
to increase
to nourish

one who knows you well and appreciate you.

Home ADDRESS
LI-CHAO
CHOA
6F NO. 10
116,
POPIN ST.
TAIPEI,
TAIWAN
ROC

Angela Wang 王瑞君 Ruelly - Iron Wang (100 mg)
(華西街 Hwa-shi Street) 355 Garage - 900
TAIPEI - ANIMALS FOR SALE
LOST IN COFFEY: Turn Turtle

H= 886-2-5587625 886-2- Work= 721-6530 EXT. 2537 123

78

Hui-Ling Lin

← Chinese character on business card

10F-3

10F-3 No. 8 Chang-te Rd.
Taipei, Taiwan 10210
ROC

大義宮 關公

↑ ↑

Great justice
Da Yi

Kuang Kung

↑
MAIN GOD

ABOVE IS THE NAME OF TEMPLE VISITED

I-JUNN'S WIFE =
Cheng CHIEH-PING

Star-Bulletin

Thursday, September 1, 1994 □ A-11

Typhoon Gladys kills 6, spurs landslides in Taiwan

Associated Press

TAIPEI — Typhoon Gladys battered Taiwan today with 78 mph winds, killing six people and setting off landslides and widespread power disruptions.

The typhoon forced the cancellation of more than 300 domestic flights and triggered landslides that closed highways. More than 300,000 homes were without electricity.

A 22,000-ton Indian freighter ran aground off Yehliu in northern Taiwan, but rescuers fastened ropes to the vessel so the 40 crew members could climb safely to shore, police said. Tons of oil

leaked from the ship, the Kalidas, and police said they feared substantial damage to the coast, known for its beautiful rock formations.

Five people died in Ilan in eastern Taiwan. A woman was killed when an electricity pole fell on her car, a man drowned in a flooded river, and three other people were killed by falling objects, police said. Another woman was killed when strong winds brought down her house in Taoyuan in northern Taiwan, police said.

Seventeen people were injured by shattered glass or falling billboards in Taipei, they said.

Hui-Ling Lin

REPORTER
NEWS DEPARTMENT

BROADCASTING CORPORATION OF CHINA

NO. 53, SEC. 3, JEN-AI ROAD. TEL: 886-2-7710151 EXT 2630
7512171
TAIPEI, TAIWAN.
REPUBLIC OF CHINA FAX: 886-2-7218508



林

慧

玲

公司：台北市仁愛路三段五十三號
電話：七五七一
真：七五七一
二一〇一
一五七一
八一分機二六三〇
五〇八

中國廣播公司

新聞部記者

72 8/28 Sunday
NY

♂ teacher w/ wife & 2 ^{sons}

夫婦	施 淑 珠	謝 明	馬 2 號 文 光 路 168 巷 23 號
	林 長 興	Penpu	(TAIWAN)

Penghu

Way to Get to UAE

FL 196 10:15pm or 10:25pm to LA

FL 900 to ~~WTT~~ Kennedy NY → London

VA FL 1932

arrive 5/145PM

Limpus = 61-7-3245-4056

Telecom Bill Devick re: ^{is Henry} ^{evangelist} FM Ad for Holo

3/22/96 sent FAX 587-0115 Tel. 587-0110

UFO's Michael ARVEY
Great Mysteries opposing Viewpoints
Greenhaven Press 1989

Good The UFO Phenomenon YA 629, 1334
Time-Life Books 1988 J
Alexandria, VA

Nikola Tesla
"Messages from the Stars" by
Ian Ridpath

1981 oct. B.C. Canada by Hannah McRoberts

6/24/47 Kenneth Arnold Cascade Mountains
"flew like a saucer would, if you
skipped it across the water"

F51 Fighter Pilot
Thomas Mantell 1/28/48 Air Force
Base - Goodman Ky

FFS needs

CITES

US 786600

thurs

11/20/96

NMFS

501 Wilcoxon

Blvd

Suite 4200

Long Beach

90802

+ DATA Loggers/DEICE/ziplock

- ^{5mm} Dremel to Remove transmitters

sent

+ Hatching preservative - wrbbels

+ Blue ice/Small cooler

+ Bags at Costco

~~need~~

Schedule Hawaii

~~need~~ - See requirement of Hawk permit,
Date for State permits

4/11/96 - Thave Johnson - Sent

~~need~~Sham-flipper trace w/Signaplot hatchlings FL H
+ Juveniles - Melbourne vs Hawaii 10-10
7 9

I.E., Kiholo

"Marine Turtle Mysteries of the Hawaiian Islands"

SLP

for plasma banking
and DNA

1995 hatch 127

3/19/96

size #1

SCZ (CBC)

3.5 cc

TUES.

①

YJ 04

18.6

not
others
available

11 Blood

YJ 13

18.9

~~no Blood?~~

②

YG 36

18.7

to bleed

Blood

③

YJ 12

20.4

"

④

YG 37

18.9

"

Visited SLP - dremel w/oto tool of alphabet number
engraved on ^{LAGOON} ~~ventral~~ 4th lateral right - sprayed
with white paint. See data sheet in file.
Aggressive male - attempted copulation when fishers went
back into water. A - W therefore 23 total.

Turtle-feeding machine/signs ^{new} rofi installed. Large
hawksbill (Samoa) and one-flipped loggerhead
(C.C. bitten on neck and hind flippers by males) in
20' tank ~~between~~ behind reef tank.

JO ANN mentioned great turtle in reef tank
that "disappeared" for ^{2 MONTHS} ~~days~~ ^{days} months -
need life in artificial cave with air pocket in
top.

ONSET
DATA
LOGGER

More Medicines ^{Need postcards}

* Need *
50 CFR
227.72e

Tripod for Camera *

Another Chatillon scale

Video Camera *

+ Nails / Fiberglass supplies

+ batteries

0 + Elastomer ^{purchase}

- Am Radio

- Butter knife

+ Small AAA flashlites

+ RAGS

- Metal detector / ^{STEEL MESH?} Aluminum pan

+ Beach umbrella

+ Antifouling paint

+ Sissors for Tumor biopsy

+ Formalin / Glutaraldehyde / Zip lock / Plastic bottles

- 2" x 2" for pen

+ More tags FFS

+ HAT

- heat shrink

+ diskettes

+ EPIC B

+ Gloves for tagging

+ Costco (BAGS)

+ sling stp + rubber

+ Scales

3/96
Need

✓ Bacterial Soap

✓ - washer for hose

✓ - hose for hewlett

✓ - "off" Mosquito spray
Philippas screw driver

x Water maker

- FFS food

- Cig. Nitrogen

Sat. Trans.
Sonic Trans.
Hydrophone.
temp. loggers
pit tags
metal tags

w/ Belt
Buckle

* Need Summary of PLASMA for BANKING

IN THIS BOOK

AND XEROX
GROGYSK Summary

FFS 8/92 TAGS

FFS 8/93 TAGS

ROSE 11/3/93 ACNWR 11/93 TAGS 7/94

KBAY 4800 U260; W491 H143-4803 U273-
KBAJ 480 (TMR) U236; A858-A860 H145 4804 U204
JATA 4802 U306; 7560-7564 F509-F510 U205
F157 (JATA) U283 U285

4807 U276 4808 U204
4809 U283 U285
44 days
22129
Melbourne
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
3/3 ONLY

A1 Processing - 6 Sensors - S1 = 86 bits S2 = 166 bits S3 = 166 bits
S4 = 16 bits S5 = 26 bits S6 = 6 bits
METRIC SYSTEM WITH U.S. EQUIVALENTS

10-288-0 07
800-433-3273

METRIC UNIT (1)	U.S. EQUIVALENT	METRIC UNIT (1)	U.S. EQUIVALENT
LENGTH			
millimeter (mm)	0.04 inches	cubic centimeter (cm ³)	0.061 cubic inches
centimeter (cm)	0.39 inches	cubic decimeter (dm ³)	0.0353 cubic feet
decimeter (dm)	3.94 inches	cubic meter (m ³)	1.31 cubic yards
meter (m)	39.37 inches	cubic decameter (Dm ³)	13.10 cubic yards
decameter (Dm)	32.81 feet	CAPACITY, CUBIC	
hectometer (hm)	109.36 yards	milliliter (ml)	0.06 cubic inches
kilometer (km)	0.62 miles	centiliter (cl)	0.6 cubic inches
myriameter	6.2 miles	deciliter (dl)	6.1 cubic inches
AREA			
square centimeter (cm ²)	0.155 sq. inches	liter (l)	61.02 cubic inches
square meter (m ²)	1.196 sq. yards	decaliter (Dl)	0.35 cubic feet
are (a)	119.60 sq. yards	hectoliter (hl)	3.53 cubic feet
hectare (ha)	2.47 acres	kiloliter	1.31 cubic yards
sq. kilometer (km ²)	0.3861 sq. miles	CAPACITY, DRY	

FFS 9/95
22132
KBAJ 24119
ST-10
1/19196
2/4h Y193

deciliter (dl)	0.18 pints
liter (l)	0.908 quarts
decaliter (Dl)	1.14 pecks
hectoliter (h)	2.84 bushels
CAPACITY, LIQUID	
milliliter	0.27 fluidrams
centiliter	0.338 fluidounces
deciliter	0.21 pints
liter	1.057 quarts
decaliter	2.64 gallons

840 189 2599 5243

Auth. code 80

TAIWAN ST-8 8/946

WAN-AN RECEIVING 4240 6635

WAN-AN 8/95 ST-14

4240

6635 6636

ST-3 8/95 KAMEHAME

22126 ST

22134 ST cycle

ROSE 10/95

25692 3/9 for 39 days then

25693 3/3

25694 3/3 ONLY

AZORES ST-6 1/94

22130 22131

ROSE 10/94 TAGS

TO: Tahiti < 4805 B113-B116

4806 B109 - exactly B112
LOSS of SIGNAL - AT ROSE

FFS ST-3 6/95 TAGS

22125 U672-U675

22133 6038, 6076 U651, U652

3/9 for 39 days then 3/3

No. 09-9132
Coll. Margin 60 Pgs

