

TAIWAN

808-395-6409

G. BALAZS

BALAZS

8-23-94
FIRST VISIT TO
TAIWAN

992-A AWAANAWAANON P2. Hono hlv, HI 96821

TAIWAN IV: 7-14 February 1998 - p.36-51
(at Penghu 11-17 Feb 98)



國際自然保育聯盟海龜專家組

副主席
柏樂滋
GEORGE H. BALAZS

NATIONAL MARINE FISHERIES SERVICE
SOUTHWEST FISHERIES SCIENCE CENTER
HONOLULU LABORATORY
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HONOLULU, HAWAII 96822-2396

983-5133
(808) 943-1240
(808) 395-6409
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983-2192



Home:

DR. I-JUUN Cheng, FU-YAN Street, Alley 55, No. 5, 3rd Floor, TAIPEI
TEL. (886) 02-735-0595



2-11 AUGUST 1996 p.6-27 WAN-AN, LANYU
VOICE Net-TAIWAN = 0080-04-4002 (0156-9046-593-808)



Composition Book • 9 1/4 in. x 7 1/2 in.

Available As:

Item No.	Sheets	Ruling
09-9130	60	College Ruled & Margin
09-9132	60	College Ruled & Margin & Paged
09-9134	100	College Ruled & Margin

12 SATELLITE TRACK Summary p.119



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9-16 APRIL 1999 TAIWAN V TAIPEI WORKSHOP p.54



福華大飯店
台北市仁愛路三段160號
160 Jen Ai Road, Sec. 3, Taipei, Taiwan R.O.C.
Tel: (02) 27002323
Fax: 27000729

<http://www.tbrocph.gov.tw/english/english.html>

AVA AIRLINES = 800-695-1188
HND AIRPORT = 836-3880
PENG-HU WAN-AN 1996
886-6-999-1826

ARGOS
#1269

Teacher Hotel Taipei (02)3419161

Cheng home (886)²⁻2-735-0595
I-JUNG office (886)²⁻2-462-2192 EXT 5303
FAX 886-2-246-289-74 2-246-28974

GTI = 0080-149-449 TAIWAN

USA Direct = AT&T TAIWAN
0080 102 880

TELONICS 002-1-(602) 892-4444 JAPAN

"happy-blooming" (FIRST)
HSIN J - YUAN JERRY & HUI-LING YU
BABY
Birthday = CHRISTMAS EVE 12/24/98
MOTHER 3/1/98

HUI-LIN (Rebecca) lives in Tan-Shui
North Taipei, near ocean, MA-TSU Temple
must be by water.

HUI-LING / JERRY = home = 87737348; Cell 0931817526
9F, 166, CHUNG-HSIAO EAST RD
Sec 3 TAIPEI

On Wed, 25 Nov 1998, Amy Wang wrote:

> Thanks. It's my honor.
> My name: Hui-Chen Wang
> Address: 4F, No99, Aly29, Ln27, Te-Cheng St.
> HsinTien, Taipei, 231 Taiwan

> I didn't know if I am right about the temple gods.
> You know, the oldest temple in Peng-Hu. The god should be goddess
> because
> people know is her.



622-167-5679

2

4/99 HOWARD PLAZA Hotel 02 2700 2323
FAX - 02 2700-0729

840 189 2599 5243

Our mail address is:
Seek-70
HWiling
9F, 166, Chung Hsiao East Rd. Sec. 3
Taipei, Taiwan 106
R.O.C

Stayed here 1996
望安渡假中心
WANG-AN VACATION CENTER

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澎湖縣望安鄉東安村73-9號
TEL: (06)999-1200
FAX: (06)999-1357

1996
TEL: 886-2-312-5875
FAX: 886-2-312-5857



RESOURCES CONSERVATION DIVISION
FORESTRY DEPARTMENT
COUNCIL OF AGRICULTURE
EXECUTIVE YUAN

Kuo-Yun Tang

37 NANHAI RD.
TAIPEI, TAIWAN 100
REPUBLIC OF CHINA

Pengtu

愛鳥·愛鄉·愛大地



Lin Chun-shin

理事長 林長興

澎湖縣馬公市文光路168巷23號
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國立台灣師大生物系
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shih Kwan - Tsez

澎湖縣馬公市治平路32號
TEL(06)9274400-9轉246-292
FAX(06)9264086

Pengtu official food voice 250ms photo scan 2/98

謝光彩 official 2/98

My Chinese name is Hui-Jine Wang.
4F No.99 Alley 29 Lane 27
Te-Cheng str. Hsintine 231
Taipei Taiwan R.O.C.



2-10-98 COA
Meeting
Shi-Chou Chen



DIRECTOR
FORESTRY DEPARTMENT
COUNCIL OF AGRICULTURE
EXECUTIVE YUAN

TEL: 886-2-312-4070
FAX: 886-2-312-5857
0337

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Ln306 MATUNG Hotel 2-11-98

澎湖警光會館

歡迎光臨

地址: 澎湖縣馬公市明遠路 52 號
連絡電話: 自動 (06)9264452 · 9264458
: 警用 (769)2295-6

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Kuo-Yun Yang



Penghu



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Penghu official food voice
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謝光彩
official food voice
2/98

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4F No.99 Alley 29 Lane 27
Te-Cheng str. Hsintine 231
Taipei Taiwan R.O.C.

CHEN
CHEN



2-10-98 CoA Meeting
Shi-Chou Chen



DIRECTOR
FORESTRY DEPARTMENT
COUNCIL OF AGRICULTURE
EXECUTIVE YUAN

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連絡電話：自動(06)9264452 · 9264458
：警用(769)2295-6

SHI, MEI RU

1996

謝美茹

Young Yami girls 1996

~~台東縣蘭潭鄉東清村64號~~

TONGCHING, ORCHID ISLAND
TAITUNG, TAIWAN R.O.C.

CHOU, LIN PING

1996

邱俊蘋

~~台東縣蘭潭鄉東清村64號~~

TONGCHING, ORCHID ISLAND
TAITUNG, TAIWAN R.O.C.

Teacher's Hotel

戴

TA 2-98

美

蘭

2-98 BOLEY 16mm

4 APRIL 99
TAIPEI
Workshop



sent
PENGHU
Turtle
ceremonies

理性知識

廣告有限公司

執行總監·剪輯

沈慧茹 <權>

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台中鼻龍井鄉新興路

泳池巷19號

TAIWAN, R.O.C.

Sept. 27



6

depart Friday Honolulu
date

TOKYO INTERNATIONAL AIRPORT

2 AUG. 96 depart China Airlines ~ 10 AM FL 17
Friday via Haneda, Japan. \$1,691.95 RT BUSINESS CLASS

date change / 1 1/2 hour stop in Haneda. 5 hour time difference to Japan. 2 1/2 hour flight to

3 AUG. 96 Taipei (-1 hour) 6 total difference.

Sat arrive ~ 4 PM. 5 pm bus to

Taipei Station 115 NT (24 NT = \$151).

300 NT TAXI to Taipei Teachers Hostel

935 NT night for hotel.

4 AUG. 96 Toured Art Museum, CHS Memorial,

SUN. Taiwan Style Restaurant for lunch, Theatre Square.

Dinner near Cheng's house with wife and 2 children (12? 7?) Wanwan, Yuen ^{older} ^{younger}

5 AUG. 7:30 AM Breakfast with I-Jui at Teacher's

Monday Hotel. 8:30 AM Visited COA office. Met briefly

Division Chief. He presented me with copy

of Chinese IVON Global Strategy.

COA VW to Taipei Airport. Departed

10:30 am TransAsia Airways (TWA

prop) for Peng-Hu. 45 min flight.

Met by County officials. Lunch

with them. Then visited "Turtle

Friendly" village where two

fenced nests located - greens.

Hatchlings released this

morning. Two photos.

To Police Station on waterfront

3 pm depart fast Police boat

for Wan-An (Wong-on). ~ 45 min trip.

both left
on on top of
root by I-
Students for
48 hours

I-John's Two 1996 ST-145

FINAL TEST DATE 96/06/25

ST-14 cells "Cast 5, Cast 6"

Customer Philip 'Shue

Agency: San Lien Development Co. Customer # 16260

Attachment: Backpack Antenna: TA5 HFT EXT

IDCODE	Sys. #
8351	384550A
8352	384552A

same as below except Rep. Rate 49sec Date Programmed 5-16-96

Software name ST950823

Message length 8 Bytes

Rep. Rate 50 sec

Msg. Restart time 5 sec

Msg. stop time 30 sec

Reel Dive time 10 sec

Salt water Switch Averaging interval 6 hrs ?

Salt water Switch Averaging offset ~~30~~ hrs

Clear last Dive time after trans. NO

on/off hours 3/30

5 Aug. 96

Monday, Report by Amy Wong that one turtle
laid ^{volunteered a} ~~laid~~ ^{claire} ~~nest~~ ^{claire} last night, 8/4 before our
arrival, and also the night before same
site (far walking end of "Long Beach")

Checked in to Reform 301 (second
floor) hotel at the hill behind last
year's field station building.

Dinner at new small restaurant
(second floor) near last year's hotel. New 2-story
house under construction between

ASSISTANT = "Sunny" (FIRST NAME =) FAMILY NAME =
SITHIN

5 AUG 96
Mon.

restaurant and hotel. noted road is torn up, - new sewage cement trench being installed. visited school where turtle station base is now set up. new computer. GPS for Amy's work. visited old cement house rented for workers to live. saw lots of grass hoppers. Slept ~ 10pm - 12:30am 6 Aug 96

6 AUG 96
TUES.

Everyone met at house at 1 AM. Rain and overcast. Patrols made at beaches - High tide = 308 am. However, turtle that had false spawned 2 nights far end of Long Beach had already nested < 1 AM (not surprising). Eggs were relocated - due to

~ 1/2 moon
Rises late

No. last
week
relocated

NGHT
1
8/5-8/6/96

At ~ 3:30 am I motor biked to Heavenly Gate beach, w/ T. Lynn, film team and others were watching! Motor bike trail is completely washed out - rocky edge gully. Parked at cement harbor and walked on grassy trail slightly upland. No turtle came out. Departed about 5 am. Alone I then walked Hui-Ling beach - lots of plastic debris (styrofoam), and also recent trash dumping into excavated (hard-mined) pit at reservoir

TUES.

6 Aug. 96

Day
of

end of beach, only two nesting sites seen. One (2 digs) about 1/3 distance along and 2-3 digs (at farthest end. Noted piles of red bricks on slope at this end. Last year seem to recall they were to build a tourist rest area here.

Drove to grave-yard beach (one possible this year's dig toward bathhouse direction. Drove to beach with small temple above to the left, are possible site. Walked to beach beyond temple - no nesting signs seen.

After 12:30pm lunch I-Juan took me to "Temple" beach where a hatchery fence w/locking door constructed. Two nests in it - both said to have been in danger of wave wash. Photos. Went to house where I was shown Fisher waterproof metal detector and steel plates (100) to bury near asset stowaway data logs.

Buried at clutch bottom -
5 deployed previously.
Intermittent rain and wind.

Afternoon the "Nissan" woman and reporters arrived. I-Juan met w/ them at room in school then had dinner with them separately.

Obtained ^{ed} box of inscribed stone
Ching Dynasty 100+ years unworked near

post office. Said to offer payment to wan An people for baby's turtles, and old ones.

Need English translation. ST-14

Magnet off 6 AM 8/7/96 ID code 8351 313

8/6-8/7/96

NIGHT 2

"WEN SAN KUNG" Small Temple on bluff to left.

7 Aug 5 AM arrived

萬善宮

Beach

TAGGED AND MEASUREMENTS PREVIOUSLY TAKEN THIS SEASON BY STUDENTS. CCL-197cm SCL-91cm

R1-2 Replaced 8/7 with TW035

TW-045

~~TW 046~~ OFF

TW 047

TW 050

NESTING at same beach.

DNA SKIN TAKEN.

It was TW046.

possibly done of others looked either.

Met at House & working station ~ midnight - filming crews present. Strong wind and intermittent rain from Tropical Depression - "Small typhoon" "LISA". Downgraded later, next day.

Mr. Young and I went to Wen San Kung Beach ~ 1 AM, walked each direction - nothing seen. Back to school (working station) at 1:45 AM - looked like heavy rain coming. Turtle found off on this beach ~ 4 AM. Turned over and to hold until box arrived. Box is wrong size (too square), too light a wood and too slow (less of a problem).

Did not lay eggs

Wednesday
7 AUG 98

Scrubbing and sanding carapace started ~ 5:45 AM. Etastones base on ~ 6:10 AM. (1) First layers of glass cloth - (4) wide overlapping carapace and edges of transmitter, (2) then ^{narrow} length of transmitter and three across (with top below "4 total") All using "Laminating" Fiberglass Hawaii resin. Sending not used for last cost.

imbedded into fiberglass on top of ID tags
8351

I Love Green Turtle



我愛綠蠔龜

科學用龜，請勿食用或騷擾，若有發現請聯絡下列地址：“程一駿，基隆市，國立台灣海洋大學生物研究所，Taiwan，R.O.C” 謝謝。

Scientific Research turtle, please do not eat or disturb. If you find it, please contact "Cheng, I Jiunn, Institute of Marine Biology National Taiwan Ocean University, Keelung Taiwan, R.O.C"

under these strips). (3) Wide piece in front and one narrow with hole for antenna. ~~and one~~ If piece not deemed necessary. Protective tape removed from ~~several~~ heads - Several. Turtle Released ~ 7:50 AM. Photos. Many. Large waves and strong on-shore wind. KYNA Cheng in background red. Coffee and toast at old house for breakfast.

7 AUG 96
Wed.

Based on handwritten drafts - ^{at teacher Hotel} ^{bls} EMAIL composed "oral tumor note for MTN". Sent to my own account.

ALSO PAGE 17

Needs: ^{need} ^{LATEST FROM} Lighting manual - recommendations ^{TO} I-JIUNN ^{DIFFERENCE FOUND BY LUMPUS} BIAHE - ^{MTN} TRAINING / Research experience Session at ^{MTNP} IZL

English translation

- Visit sites where sat. tel. turtles migrated

→ Chinese publication obtained from Lew 1994, ^{MTN - ECHERT?} ^{I-JIUNN, OCT. MTN} Authors - ON MTS G?

- TRAVEL Grant - Symposium - awarded only once?

see p. 76-77

- Translate writing on Stone - Wan - An ^{HUI LI} Pacific Map Center - obtain ^{detailed} ^{scale} ^{maps} ^{Good Hope} ^{China} ¹ KOSHIKI RETTO, ² OKINAWA, ³ SE HAINAN, ⁴ CHINA

- Motorcycle ^{Ling?} "Nissan Woman" - Address =

- "Telnet" protocol ^{need send} ^{Thank you} ^{card} ^{5 complete} ^{sets given} ⁷⁶⁹ ⁵⁷³⁶ COINS MR. JZA CHI

need

MSO

MAIL COPY
FAX SEND

[Kyna Chang - Min SITUNG DAILY ⁷⁶⁹ ⁵⁷³⁶ Planning Specialist, Advertising Dept

561, CHUNG-HSIAD E. Rd., SEC. 4
TAIPEI (105) (H)

TEL. (02) 769 5736 • 7645173 EXT. 159
FAX 7649224

7 AUG. 96
Wed.

Everyone checked beaches "A" (Heavenly Gate) thru H (Secretary for left end) at ~ 8 AM due to high tide coming near sunset. 5:57 PM

^{7.4 ft.} I went with Mr. Young and local man to Heavenly Gate. Long walk on dark foot path after parking bikes near harbor. Walked length of beach. No signs of nesting.

(3)

AUG. 96

WEDNESDAY
Thursday

out again at 1 AM to see if any turtles coming up for 5:38 AM 6.1 AM tide.

I went with T. J. Jann & assistant Sunny to Jag Beach. Noted large basalt (volcanic origin?) stones and limestone pieces, especially in area where hard mining occurred last year to make breakwater "dike" to expand harbor. I recommended that eggs laid in this area likely should be moved to hatchery due to possible high entrapment of hatchlings.

No nesting turtles seen. Walked to end of Jag Beach and sat there for awhile. Then back to "pillboxes" closer to harbor and sat there with others until about 3:30 AM - I returned to working station - then hotel at ~ 5:30 AM.

CP ~ 8:30 AM.

Drove around taking 35mm pictures. Breakfast at house w/ F. Jann wife and student. Fednet (Telnet: Habelab@Kusku.edu).

While returning from Heavenly Gate ~ 9 AM

8/8/96 near Resentin I almost ran over large, long brownish snake slowly crossing the road. Seemed same as one photoed dead last year.

STRAAT

Mummified turtle head missing - found on rock ledge.
24" CCL = 61.0 cm. / muscle skin for DNA.

(very fast beach)

8 AUG
Thurs.

"I" cemetery beach turtle
up ~ 930 pm. Seen by Lito-Ison,
Any Wong,
Dae & me,

NIGHT
#4

Box ~ 1015 am
Shallow egg chamber, only 13 eggs laid ~ 45mm diameter.
FLASH ON HIND NECK, OR A NEW, MAY HAVE CAUSED
early cover.

9 AUG
Friday

ID 8352
Magnet off 6 Am Alcohol not
used.

620 AM
start
Sounding

SL = 94 cm
CCL = 100 cm

Chelonia
Chelonia t.
Right marginal
and are on platform.

newly
tagged
not
previously
seen
this
season

TW043 LH
TW042 RH
TW041 → RFL R1-25 BY
TW040 → LFL L1-25 I-JIUNN

750 AM Released Many photos.

one BioBy Right shoulder into DMSO

Video production by non-profit Gov. organization
to be finished in 2 years. 30min Run!
Great weather

Coffee/breakfast at "House"
Drive around island taking photos
trying to take advantage of
morning light. Heavenly gate saw up/down
Lunch 1130am.

Departed for Penghu (Makung) IM
boat with Teacher, I-JIUNN, wife.

9 AUG. 96 Visited student who got hit¹ by Friday van bus on Wan-pm 2 days ago.

At girl friend house, DAYI (Di Gee) Drove to ^{by wild bird} Soc. Man tot empl. 14 turtles seen in 2 pond areas (third large area not in use). Greens & hawkbills. Video people waiting for us. Temple turtle keeper said loggerhead and ridley released because sick. ^{from sea} died. Water changed once a week. I held flipper

Returned at 5 pm ferry, arrived 5:35 pm. Dinner 6:45 pm. Had rain showers from squalls.

DRIFT Drove to beach where turtle recently nested and found it was exact same one as 2 years ago - photo. Turtle had come along cement stairs

→ of two and we saw sunken water of plosion - but not extreme. Noted 3+ green with dark pigment to flipper and neck skin. one was very small (~35cm?).

NIGHT 5

I interpreted this as their being newly obtained turtles from the wild. Other turtles here have "bleached white" skin - clearly from captive indoor environment/all ^{captive} diet.

I (JUNN) advised that now food needs to be fed, as well as vitamin/mineral supplement included.

Checked telnet at 8 pm. Visited "H" beach nothing. Went with G Junn and Sunny to "F" beach, nothing. Returned to Hotel. - slept 10:30 - 5:15 am

10 AUG 96 Had coffee at House. Report that Saturday no turtles came ashore last night. I'm surprised that transmitter turtle from night 2 didn't come back to lay her eggs.

Departed Wan An - 7 am ferry boat. Photo of Cau-I with his daughter.

Backnotes - "Industries" of Wan An =
 (1) Tourism (2) Peanut growing (3) Fishing
 (4) Smuggling (?)

Road construction (cementing) this past year has occurred in many areas. New sewer cement drains being installed through middle of town. When do they empty?
 2-3 New street lights being installed on electric poles along road to harbor. This will illuminate worse hard area of Cemetery.

Met at Makung Harbor by County office. Drove us to the Airport just before making our 8:10 AM "FAT" (Far East Asia Transport) jet flight (DC-10? #116) to Taipei. Taipei Taipei airport to Teachers Hotel 220 NT, which included \$65 NT charge for my 2 suitcases.

Note I-Town says that some tourists are complaining because ~~hundreds~~ turtles are

10 Aug. No advertised to see at Wan-An, but more SATurday are seen. false promotion. To address this, the hatchery enclosure was created so tourists would have something to see, only those eggs in danger of washover are moved.

More Needs

- Kennard RESULTS "
- "Old oxen" sea turtles and Baby girls
- Peng Hu Turtle Festival - coincide w/ any meeting I-TURN plans in Taiwan. To
- MTN ^{short} article on difficulties of working ^{never} with small nesting population, ^{not much left} to work with.
- "Hawaii Birds" to Teacher JO (Cho) and Wild Bird Society Man.
- Send some ^{thing} for County officials.
- Extra tygon for short distance at base of antenna.
- See page 90 for correct "on" times for ST-10 (if 2/4 duty cycle).
- Yami culture book - Xerox and mail.

EMAIL CHENG!

Saturday afternoon - Walked around CHS general pub town area. Ate at ^{30 minutes} restaurant (cook in front of you) across the street from hotel. bad headache during the night.

11 AUGUST 96 #10N for well of coffee!
 Sunday Taxi to Taipei Airport. Depart for Taipei about 9:20 AM. Jet 35 min. Flight. Lunch at Taiping airport. Depart ^{old} ^{3-again} Airlines Corporation ~ 1240 PM.

Photo of little yami boy scooter
yellow shirt " Rents

11 AUG 96 Arrive Orchid Island - I-Juan, Lisa
Sunday ("Teacher Cho") Met by Jack

Need ← "Hawaii's Birds (LISA)

Li-chao
CHOA
6F - NO. 10
lane
116)
POPIN ST.
TAIPEI
ROC

BABNI BEACH

Printed one = 43mm diameter.

a Coast Guard upon stationed in Taitung who has been using his vacation days to monitor turtle nesting at the two hard beaches on the island. Runway a orchid IS. has be damaged by recent typhoon "Herb" 4,000 ft? ~~lost~~ 1000 (ft?) washed away. Rents Rented motor scooters and proceeded south around island. A short distance out of airport village we stopped at first beach. Steams show and some sand mining going on. Typhoon washed away a lot of sand exposing water-worn rocks. Lots of sponges on beach - no algae seen. Flashes counted - 4 pairs of "rept" tracks. Saw - 13 eggs that Jack had saved under stone (and blue plastic container). All dimpled - dead; - 39 days development. Sampled ~~the~~ head and body piece of one embryo into DNA (DMSO salt) solution. Key to Lisa's scooter lost on beach. Track width = 109 cm. SNAKE said to have no algae wash-up noted, dug into eggs and eaten. Proceeded by nuclear storage plant (see newspaper article). Storage from power plant in Taipei. Need to see if U.S. ~~will~~ sent material to Taiwan for storage there.

TO PAGE 21

DONG SHIN BEACH ORCHID IS.

11 AUG 96 ~ 9:15am 114 ccc. 109,55C
Sunday

3 TAGS
Applied
TW

LH, RH
and
LFL

green found nesting - laying
 2 eggs above water-worn rock in
 dark sand - head up under vines.
 Many photos. DNA biopsy from
 LHing tagging area ^{taken} right after cover^{up}.
 Eggs look small in diameter for green-
 43mm measured at other beaches
 where head of embryo preserved for DNA.
 LH, RH, and LFL tagged by
 me w/TW tags. Worked well -
 all locked, pliers working well.
 Numerous flash photos. Taro ^{wetland} and
 growing about beach. Numerous
 freshwater discharges on sand.
 Photo of small live snake being held by
 Jack. Domestic dog prints on beach.
 Potential for turtles to get stuck
 between rock outcrops.
 In July I-Tuan visited here and
 DNA sampled a ^{green} turtle nesting.
 Burial areas said to be behind
 this beach. Wrap bodies in
 crouching position and just set
 in bushes. Yami don't like
 these people to come here at night
 (Name (YAMI) of area = ?)

8/11/96

Photos taken during

✓ Photos need send CRAYOLA

PANGNAMUNG (YAMI name)

"Community Meeting"

~~台東縣~~

SHI MEI RU

13 years old

English-Chinese Dictionary

台東縣蘭嶼鄉東清村64號

謝美如

邱俊苗 → 台東縣蘭嶼鄉東清村64號

12 years old
Chou Lin Ping

↑ ↑
Sent 8/12/96
8/24/96

IRANMI LUK

NAOB (YAMI name)

"DON CHANG"

YAMI name of village
Chinese name of village.

東清村

→ or DUNG SHIND

Document for "redevelopment" says

"PONGSO-NO-TAO" (The Isle of Man)

Sarah Ishikawa

or orchid IS.
to the Han
Chinese of Taiwan

Christie Johnson Coffin - Architect - Consultant
National Taiwan University

(02) 363 9781-210 FAX (02) 363 9744

except in English from Report:

21

3000 Yami people of "Austronesian
origin"
6 distinct villages

1994 Dept. of Aboriginal Affairs
Commissioned the Building and Planning
Research Foundation to plan for the
physical improvement of the villages.

The first village was IRANAN.
This report plan is for the second village.

"Capable of landing/taking off in 1000 m.
Formosa Airlines
Dornier 228" Twin prop. aircraft flight
from Ochia to Taitung.

11 AUG 96 They turned in to power plant without
Sundaysime seeing them, so I continued to
drive thinking they were ahead of me.
Ended up driving around entire island (no
knowing what village we were going to)
E-jun caught up with me at the
airport. Returned to IRANAN village.
New church constructed
there - PASTOR recently visited L.A.
and Nevada regarding nuclear storage.
Strongly opposed.

STEPHEN (Hoi go Chang)
No. 69 TONGHUNG OCHIA Island

TAITUNG ROC
Tel. (089) 732193.

[Phone on washer in church = 732877]
(washing machine)

LANYU (ORCHID IS.)

11 Aug. 96
 Sunday went to school at Jung shing village.
 Lots of damage. Said that very few children attend. Small building behind school called "Teacher's Dormitory" has kitchen, place to eat, bathroom and 2 bedrooms. Ate dinner there (food brought from Taipei).

Scabies?
 Fever?

Sleeping place was church room with nice wooden floors. Used lots of "OFFs" due to warning about Dengue Fever mosquitoes. Lisa got several bites. ~~Was~~ We visited Jung Shin beach before sunset. No obvious signs of nesting during rec day.

12 Aug. 96
 AM
 Monday I went to sleep ~ 10:30pm. Jack, Lisa, and I-Tsun took water scooters to Babri Beach to check for nesting turtles. ~~we~~ found higher bank that slid down - apparently from ~~the~~ their presence/lights. Didn't rest. Measure ^{3cm difference A. "PASTISH" turtle?}
 CCL = 94cm
 SCL = 91cm (don't sound right - too close)
 DNA sample "TW 286" on vial
 Two other tags newly applied.
 Vol/Packet says BABAI IRUN

I woke up about 7AM. Photos taken around the village and driving up road

Generic type

Needs

- Small gifts for people met / kids
- STRONG Tick/mosquito Repell.
- sleeping MAT
- ORCHID IS.
- Mosquito netting
- Geiger Counter
- portable FAN
- Gift for Cheng's wife (or family)
- T&R photos - literature
- Translate store working - Wan An (Meiling? Chinese woman at lab?)
- Penghu turtle Festival HUI-LING?
- English translate entire Taiwan turtle culture booklet?
- See "Turtle Lotus Store" ^{send copy to} report - "Mokkai"
- ~~FFS~~ ^{tragedy} turtle found alive then released in Japan (Find letters, etc.)
- Did it ever return?? look up tag records.
- What Recovery - letter from priest - write to him ^{see} East folders in home file cabinet
- ^{thank you} Note to Jack - He will be out of coast guard ^{opportunities for} July 97.
- one-page write-up on "Research Experience w/ Sea Turtles in Hawaii" focus in-water - tagging techniques, capture techniques, health screening - biopsy, ^{computerized} bleeding ^{data}
- fibropapillomas, dna, - ^{work with} recovering - increasing - populations
- food sampling, T&R, Sonic Telemetry
- Sat. telemetry attachment demo and data.
- Call A. Wang / Forward email Announcement of Symposium
- Tape ^{give} in "Herb" typhoon article + others.
- DNA ^{samples list} samples to Dutton w/ Priority email note.
- "J" vial numbers converted to TW numbers & date & car size



12 AUGUST 96

Monday

DNA sample taken from packet of frozen meat ~~at~~ at Teachers Tomb. This turtle said to have been killed and eaten by Yami villagers, nesting female. Ifjunn also indicated that people don't kill/eat turtles (?).
 NOTE → NESTING Turtles and Yami SHARE Common BOND ≠ Both ~~endangered~~ of extinction.

Steven (Pastor) said he had visited Batan Islands. People there wanted to know how he could speak their language. Reported that Taiwan fishing boats from Orchid Island go to Batan Islands bringing Filipino laborers back (to Orchid?).

My water scooter ran out of gas in the morning -- as I was driving into school yard.

Left village about 11:30am - \$150 stayed there for another night (bird and turtle watching). Teacher "vatho" (Biology) in 6th grade.

"Sea Fog" present - cause by ^{strong} wind (and condensation?). Arrived at airport - airport closed. When they can't see "Little Orchid Island" (uninhabited) from airport due to sea fog then they notify Taitung and no

12 AUG. 96 flights are made. Also reported that airport closed due to Army artillery practice near Taitung.

Arrive Taitung ~ 5 PM. Dinner at airport restaurant hosted by political party official - arranged by Cheng's wife through her brother in Taitung who is also a political party official.

服務處：台東市長沙街三九六號
電話：(08) 334334
宅：(08) 332433
二〇九〇
二〇九四
二七九五

特助 鄭進權

立法委員饒穎奇服務處

Departed Taitung "FAT" airlines 737
6:15 pm - arrive Taipei ~ 7pm
(had been raining in Taipei). TAXI
TO Teacher's Hotel. Went to
sleep ~ 10 PM.

13 AUG. 96 8:15 AM I-Juann came to hotel -
TIEB. brought coins (5 complete sets) and fair
bill - Mr. JZA brought him by with
I-Juann's wife and 2 daughters on their way to
Sea turtle band building contest.
Note - I-Juann will go to Strasbourg this year to
attend Telemetry conference - give paper.

13 AUG 96 9am walked around CKS memorial -
TUB. photos.

Departed hotel at 11:45 am by
taxi to Eastern Sector Bus/Train
Station for bus to CKS airport.

Arrived airport ~ 1pm.

#300NT departure stop.

Depart China Airlines FL 018 225pm
via Hanaeda (Tokyo International
Airport).

Arrive Honolulu

13 AUG 96 8 AM.

Stephen - hai go chang

NO 69 Tongching orchid island

Taitung R.O.C

Tel: (089) 732193

Pastor of new
church -
Oct 1996

Location and Geography

Taiwan is situated in the Pacific Ocean about 160 kilometers from the southeastern coast of mainland China. Located about midway between Korea and Japan in the north and Hong Kong and the Philippines in the south, it is strategically located as a regional commercial hub. Shaped like a tobacco leaf, the main island of Taiwan is 394 kilometers in length and 144 kilometers wide at its broadest point. The Central Mountain Range is the spine of the tobacco leaf. Over two-thirds of the island consist of foothills and mountains.

Sent
8/24/96

台東卑南山農經東清村

51-10

張軒山

TAEWE
TAWO

南嶼原彩繪石畫作者

- 27
- NOTES for Tagging Techniques
- INTRODUCTION - OVERVIEW OF RATIONALE - REASONS - OBJECTIVES OF TAGGING
 - "QUESTIONS AND ANSWERS" BULLETS
 - = TYPES OF TAGS - where to obtain, which to use
 - WHERE TO TAG / WHEN TO TAG
 - COMMON MISTAKES - AVOIDANCE OF PROBLEMS
 - HAZARDS TO TAGGER

台東縣蘭嶼鄉漁人村
40號 羅宗民

Photo of little boy - YAMI yellow shirt
8/19/96 scoter rental
mailing address

Religion
Buddhism, Taoism, and a broad range of folk belief and superstition form the broad base of Taiwanese religious culture. There is a host of guardian deities, such as Guanyin Goddess of Mercy; Matsuo, Goddess of the Sea (whose importance reflects the dependence of Taiwanese on the sea for their livelihood), and Guanyang, the embodiment of martial valor and honor. There are also many Christian (both Catholic and Protestant) and Muslim inhabitants on the island.

Population
As of March 1997, Taiwan's population exceeded 21,557 million, of which approximately 2.6 million live in Taipei and 1.44 million in Kaohsiung, the island's two largest cities. With an overall population density of 496 people per square kilometer, Taiwan has one of the highest population densities in the world.

sent
8/96

彰化縣埔心鄉員鹿
路二段419號
AMANDA & SYLVIA
張詩雨
Group Co-Leaders
Photos 8/7/96
WAN-AN "H"
BEACH "H"

**Taiwan's Lee 599
courting China's
ire with book**

Taipei (AP)
In a new book that could enrage China, Taiwanese President Lee Teng-hui urges Beijing to give up its nationalistic concept of a "Great China" and instead divide the country into several autonomous regions.
Lee is to unveil the book, called "Taiwan's Viewpoint," on Wednesday.
"Taiwan's democracy and its economic achievement were the sole efforts of Taiwanese," Lee writes. "The Chinese communists have made no contributions, and of course have no right to make any claims on Taiwan."
He calls on Chinese leaders to give autonomy to Taiwan, Tibet, Xinjiang, Mongolia and a separate northeast region.

Date: Mon, 26 Aug 1996 15:49:07 GMT
From: Lisa and Debbie <USEROFFICE@argosinc.com>
To: gbalazs@honlab.nmfs.hawaii.edu
Cc: USEROFFICE@argos5.argosinc.com
Subject: RE: Request

Dear George,

Platforms 8351 and 8352 of program 1269 are transmitting on a regular basis. They are also updating locations. Looks good. Please let me know if you have any questions.

Best regards,
Debbie



好，種類繁複，且因黑潮流經附近，漁業資源非常豐富。蘭嶼為台灣及菲律賓植物地區交匯處，植物特種達二十五種，又因發展較遲，島上天然植物相仍多保持原貌，又因棲地良好，野生動物資源亦多，此與其他離島不同。惟近幾年來，因不當之公共建設、林相更新，以及不法商人之濫捕、盜採，已使得蘭嶼之天然資源不斷地遭受噬蝕。

有鑑於此，政府於七十一年底決定依文化資產保存法，來進行蘭嶼地區自然及人文資源之保育及經營管理，並已著手規劃。七十四年國建會出席學人則大

Manka Lungshan Temple

Lungshan Temple was originally built in 1738 in present day Wanhua district. The temple is dedicated to Guanyin, the Buddhist Goddess of Mercy. The temple has undergone many reconstructions in its long history. The current structure was built in 1957.

One of the best examples of Chinese temple architecture, the Lungshan Temple features intricately carved dragon pillars and many other fine examples of the stonemason's art. In addition to its artistic achievements, the temple, as a center of local religious culture, is the focus of numerous local celebrations and festivals.

NT\$3.2 bil. offered for new nuke dump

The China Post Aug. 12, 1996
Keuter

Taipei, Aug. 11 — The state-run Taiwan Power Company is offering to pay local governments and residents NT\$3.2 billion (\$116 million) for a new nuclear waste dump, newspapers reported on Sunday.

The company will pay NT\$200 million after initial qualification screening and the remaining NT\$3 billion after the new location is finalized, the United News Daily said, quoting company documents.

Taipower has been seeking possible sites overseas, including mainland China and the Marshall Islands, to store its nuclear waste after environmental concerns raised heckles at home, but no decision has been made.

Taipower decided in July to stop sending its nuclear waste to the tiny Lanyu (Orchid) island after strong opposition and protests by local aborigines.

Since 1982, 97,672 barrels of

nuclear waste have been stored by Taipower at the Lanyu dump, its only site with a capacity of 98,112 barrels, the government has said.

The new location would be decided by the end of 1996 and construction of the new dump was scheduled to be completed by 2002, the China Times reported, also quoting company documents.

The new dump would have a capacity of 1 million barrels of nuclear waste, the amount produced by Taiwan's four nuclear power plants over 40 years, the documents said.

There are currently three nuclear power plants in Taiwan and the legislature approved in 1994 the construction of a fourth in Taipei County.

Construction has not yet started following the legislature's 1996 vote to sack the plant's budget and a series of environmental disputes surrounding the project.



THE HOWARD PLAZA HOTEL TAIPEI

福華大飯店 台北市仁愛路三段160號
160 Jenai Rd., Sec. 3, Taipei
Tel: (02) 2700-2323; Fax: (02) 2700-0729
Web Site: <http://www.howard-hotels.com>
No. of Rooms: 606
Room Rates: Single NT\$6,200-8,000; Twin NT\$6,600-7,300
Rosewood Club NT\$7,900-35,000
Restaurants: Continental, coffee shop, Shanghaiese, Japanese, Cantonese, Taiwanese, bar
Special Features: All rooms fully refurbished in 1994, convention and banquet facilities for 10-1,000 people, four-line phones, satellite TV, in-room pay movies, Rosewood Club, swimming pool, 360-car parking lot, business center, health center and sauna, 4-level shopping mall, barber and beauty salons, non-smoking floors, airport transportation.

The threats are compounded by the turtles' unique homing device - females always return to the beach where they were born to lay their eggs. If her birthplace is developed or disturbed, the turtle will return to the sea without laying her eggs.

The society's scientific projects officer Frazer McGilvray, however, said turtles at Gangkou now laid only one per cent of the 400,000 eggs a year recorded before 1949.

"There has been no evidence that any head-started [hatchery-born] turtles have returned to lay eggs on the beach," he said. "At the speed of development in Hong Kong you cannot say that 15 years down the line these areas are going to be present."

The society is conducting a research and education project into Hong Kong's green turtles, but none has been sighted this year.

Plan to release turtles on beach

BY FIONA HOLLAND

CONSERVATIONISTS are considering bringing green turtles to Hong Kong to release on remote beaches.

The move follows a visit by the Hong Kong Marine Conservation Society to the Gangkou National Turtle Reserve in Guangdong.

The reserve, 180 kilometres east of Shenzhen, is China's only sanctuary for the threatened green turtle, which has been all but forced from Hong Kong's shores by reclamation and development.

Society council member Marc Smith-Evans said members were investigating the feasibility of transferring baby turtles from the reserve to a remote beach in Hong Kong.

Even if the experiment failed and none of the turtles returned, it would help raise awareness of their plight, he said. The species is protected by international convention and laws in China and Hong Kong, but is under pressure throughout Asia from coastal development, pollution and overfishing.

Sun. Morn. Post

1997
8/31/97



SOUTHWEST FISHERIES
SCIENCE CENTER
PO BOX 271
LA JOLLA, CA 92038-0271

FAX

Phones: FAX-(619) 546-7003

Information-(619) 546-7000

DATE: 4/29/97 NO. OF PAGES TO FOLLOW: 3

ADDRESSEE: GEORGE BALAZS

ADDRESSEE'S PHONE OR MAIL CODE: _____

FAX# & Country (if outside U.S.): _____

ORIGINATOR: PETER DUTTON

ORIGINATOR'S PHONE: 619-546-5636

REMARKS: Here's the revised Taiwan "report"

and the list of haplotypes & turtle ID's.

The TEMP ID (cm numbers) are mine - the

FIELD ID has the ID n^o that were on the vials/sheets

It will be interesting to see if you notice any
differences - NOTE THE JAPAN HAPLOTYPES (JPNa & JPNc)
& 2 haplotypes (J & K) that I have not found in
any of the nesting pops. I've looked at so far -

TIME DROPPED: _____ maybe they are Malaysia?
Indo-Pacific?
cheers Peter

Summary of Genetic Analysis of Taiwan Green Turtles

31

Peter H. Dutton, Ph.D.
NOAA-NMFS, SWFSC La Jolla Lab.,
P.O. Box 271, La Jolla, CA 92038, USA
email: peterd@caliban.ucsd.edu

FAKED
TO ME
4/29/97

I have sequenced a 450 base pair fragment of the control region of mitochondrial DNA from a total of 42 green turtle samples from Taiwan. These included 14 nesting females from Wan-An (Taiwan), one stranded juvenile found on Wan-An, and 5 nesting females from Orchid Island. The remaining 22 samples were collected from the coastal gillnet fishery.

Taiwan nesting populations

Three haplotypes were present in the Wan-An rookery (FijA, TwA and TwC). FijA was the most common, occurring in 7 out of the 14 turtles (50.0%); six of the turtles were TwA (42.9%), and only one was TwC (7.1%). All five of the females from Orchid Island had fourth unique haplotype (TwB).

Comparison with preliminary sequence data for an extensive number of rookeries in the Pacific suggests that these two rookeries are genetically isolated from each other, and distinct from other nesting sites that have been examined so far. Although FijA is also found at several nesting sites in the southwest Pacific, TwA and TwC have only been found in Taiwan. Likewise TwB has only been found in one other location (Tinian), and only at low frequency. However, a complete survey of all the rookeries throughout the Indo-Pacific has yet to be completed.

The juvenile found dead on Wan-An was FijA haplotype; it is therefore likely it is of local Taiwan stock, however since this haplotype is found in other locations, one can't be certain without further analyses using multiple nuclear markers.

04/29/97 11:12 619 548 7003

SWFSC-LA JOLLA

Gillnet Fishery

Nine different haplotypes were identified among the 22 samples from the Taiwan gillnet fishery, including haplotypes that have been found in the Japanese nesting population, and other Pacific locations. Only two animals were FijA (9.1%), two were TwA (9.1%) and one TwB (4.5%). Since the data from all possible source stocks are not complete, it is not possible to quantify the stock composition of the gillnet fishery. However it is evident that only a small proportion of the turtles caught are from local Taiwan nesting stock. The majority are animals from other nesting populations, which must be foraging or migrating through the area where this fishery operates. This further suggests that the "Taiwanese" turtles make up only a small proportion of the forage population in the area impacted by the fishery, and that the forage population represents a mix of animals from several different regional stocks. At least 32% may be from Japan.

Further work is needed to analyze stock composition of all the regional nesting sites, particularly the South China Sea and Indo-Pacific, before a more thorough statistical evaluation can be made. Until this work is completed, the conclusions reported here should be considered tentative.

4-29-97
ReceivedHAPLOTYPES OF TAIWAN SAMPLES
Sheet 1

LABID	TEMPID	FIELDID	HAPLOTYPE	LOCATION
5448	CM256	CCL-040-CM256	FJJa	Gillnet Fishery
5452	CM260	CCL-042C-CM260	FJb	Gillnet Fishery
5929	CM270	CCL46/CM270	FJb	Gillnet Fishery
5454	CM262	CCL-043-CM262	FJf	Gillnet Fishery
5927	CM268	CCL45B/CM268	FJf	Gillnet Fishery
5457	CM265	CCL-044C-CM265	J	Gillnet Fishery
5450	CM258	CCL-042A-CM258	JPNa	Gillnet Fishery
5456	CM264	CCL-044B-CM264	JPNc	Gillnet Fishery
5930	CM271	CCL47A/CM271	JPNc	Gillnet Fishery
5931	CM272	CCL47B/CM272	JPNc	Gillnet Fishery
5933	CM274	CCL50A/CM274	JPNc	Gillnet Fishery
5936	CM277	CCL52/CM277	JPNc	Gillnet Fishery
5455	CM263	CCL-044A-CM263	K	Gillnet Fishery
5449	CM257	CCL-041-CM257	TWa	Gillnet Fishery
5453	CM261	CCL-042D-CM261	TWa	Gillnet Fishery
5451	CM259	CCL-042B-CM259	TWb	Gillnet Fishery
5458	CM266	CCL-044D-CM266	TWd	Gillnet Fishery
5459	CM267	CCL-045A-CM267	TWd	Gillnet Fishery
5928	CM269	CCL45C/CM269	TWd	Gillnet Fishery
5932	CM273	CCL48/CM273	TWd	Gillnet Fishery
5934	CM275	CCL50B/CM275	FJA	Gillnet Fishery
5935	CM276	CCL51/CM276	JPNc	Gillnet Fishery
5782	CM444	TW447	TWb	Orchid
5781	CM445	TW6-22-96	TWb	Orchid
5783	CM448	TW8-11-96-01	TWb	Orchid
5785	CM449	TW286	TWb	Orchid
5784	CM451	TW8-11-96-02	TWb	Orchid
5918	CM353	TW141/CM353	FJJa	Wan-An
5920	CM355	TW195/CM355	FJJa	Wan-An
5921	CM356	TW204/CM356	FJJa	Wan-An
5923	CM358	TW054/CM358	FJJa	Wan-An
5926	CM361	TW186/CM361	FJJa	Wan-An
5776	CM443	TW063	FJJa	Wan-An
5777	CM446	TW047	FJJa	Wan-An
5780	CM450	TW8-8-96	FJJa	Wan-An
5919	CM354	TW058/CM354	TWa	Wan-An
5922	CM357	TW143/CM357	TWa	Wan-An
5924	CM359	TW183/CM359	TWa	Wan-An
5925	CM360	TW073/CM360	TWa	Wan-An
5778	CM452	TW041	TWa	Wan-An
5775	CM453	TW261	TWa	Wan-An
5779	CM447	TW7739	TWc	Wan-An

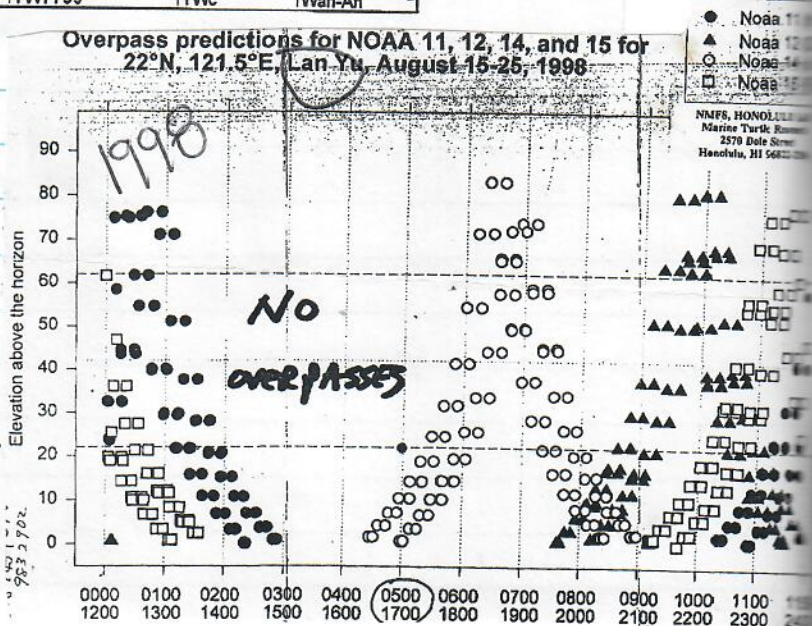
← "NEW" HAPLOTYPE

N=22

← "NEW" HAPLOTYPE

N=5

N=15

Overpass predictions for NOAA 11, 12, 14, and 15 for
22°N, 121.5°E, Lan Yu, August 15-25, 1998

3

Date: Thu, 12 Jun 1997 12:54:08 +0800
From: b0107@ntou66.ntou.edu.tw
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: pathology report on the tumored turtles

FP

Dear George: I just received pathology report from the vets professor of the Taiwan University this morning. Briefly, according to his report, both turtle had fibropapilloma mainly on the skin fraction, no internal infection were observed. However, both turtles were infected by cardiovascular trematode spriorchidiasis, which caused widely infection on the blood vessels, heart, liver, stomach, intestine and kidney. The trematode infected the blood vessels, heart, liver, stomach, intestine, prances, kidney and part of the brain cells. both turtles had also infected by the ulcerative stomatitis-obstructive rhinitis-pneumonia (US-OR-BP). The conclusion was the turtles won't be last very long in the wild. They will die not caused by the GTFP, but by poor condition of the immunization system. By the way, both turtles were female.

Regards, I-Jiunn

Date: Sat, 26 Jul 1997 12:51:44 +0800
From: b0107@ntou66.ntou.edu.tw
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Re: Finally, old turtle come back

Reduce

Dear George: I'll be going to Orchaid Is. tomorrow for the transmitter mounting work. Hope everything will be going out fine. The old turtle come back has become a big news again; as big as the first time we deploy her. I think this result has some good self-explain evidence that will convince many doubts about our works.

Well, about the turtle with the lump on the 2nd dorsal scute. I may have to do it on the third scute.

Good to hear that you have four PTT going back. Maybe the ST-6 is easier to get off than the ST-14. In any case, I lost it in the sea. Now, should we count on more ST-14 come back next year? You will have the honor to deploy the new one if we find one of them come back next year.

Regards, I-Jiunn

Date: Sun, 27 Jul 1997 15:15:03 +0000
From: PETER H DUTTON <peterd@caliban.ucsd.edu>
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: taiwan samples

Taiwan Reduce
&
GHE

The 2 Taiwan samples you sent 6/17/97 were both the same Haplotype.

PH001 SCI-45.6cm 3-9-97 Nai-an Village, Taiwan.

TW-002, (5-2-97), SCL 60.5cm Tanshiu, Taipei (fibropapilloma).

Both have a haplotype I'm calling "FijF" because I first detected it in the Fiji forage samples...HOWEVER I have not found this haplotype in any of the rookery samples I have, and it is not in the Japanese rookery. This haplotype is the same as some of those animals caught in the Taiwan gillnet fishery.

So as far as the second fibropapilloma turtle, you can say it is NOT from Hawaii, and not from Japan.

-Peter

Peter H. Dutton, Ph.D
NOAA-NMFS
Southwest Fisheries Science Center
P.O.Box 271, La Jolla, CA 92038

tel: 619-546-5636 FAX: 619-546-7003

Date: Thu, 22 May 1997 08:28:29 +0800
 From: b0107@ntou66.ntou.edu.tw
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: Re: Euthanasia

fedure

I M/C
TAWAN

Dear George: Sorry, I hit the wrong button, and sent out the unfinished message. The euthanasia of the tumored turtle(s) went out fine. The vets actually gave the turtles more than the enough dose to kill them. As you suggested, it took VERY LONG time before the beast stop heart beat. All the necropsy works went fine. There were 3 vets and 4 graduates from vets department involved in the operation. They all excited about this work, because this is the first case we ever done with the wild animals. With 2 of them, they can make good comparison of the fibropapilloma disease.

However, we also arose some debate about life and wildlife conservation in Taiwan. I think this is because we also have the first case that the wild endangered species ever put to sleep and necropsy by the professions. It involves not only the concept of conservation, concept of life value but the concept of animal disease. All these works may sound acceptable and reasonable to you folks. It's, however, never happen in here. That's why we received many complains about putting the animals to sleep forever mandatory. Well, they have the right to complain. But I am introducing "new" concept of wildlife conservation to the Chinese. We are the conservationist, not the perservationist. People should change their thought about the conservation. That's why I said before that even the journalists have a better understanding about the conservation than some of the "experts" in the field.

I had a phone conversation with the vet who conduct the operation. According to his preliminary observations, at least one turtle suffered multiple internal diseases. The case is very complicate. All the other may All the other diseases may caused by the virus or parasites from the fibropapilloma disease. He will need at least another two weeks to finish the preliminary diagnosis. So, it's good to terminate the turtles's life. We are relieving their pains.

Regards,
I-Jiunn

Date: Fri, 15 Aug 1997 08:24:52 +0800
 From: b0107@ntou66.ntou.edu.tw
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: Re: taiwan samples (fwd)

Dear George:

Thanks for the information. It looks like we have some connection with Fiji (sort of). Apparently, more data are needed to reach some conclusions.

I've back from the PTT deployment works both in Lanyu and Wan-An. It's a "hard" work, especially work in the neo-bad weather. It always rain hard before or after deployments. Worst than that, the playwood is almost flooded away by the spring tide + heavy surf few hours before my second deployment at Lanyu. Boy, it's definately not easy to carry this kind of work in the tropical rain forest island-- it's raining too much. One of my leg was badly hurt by the sharp edge of some beach tree (during the work) and twisted after falling down from the bike (when I try to tak care one of the media reporter) at Lanyu. In any case, the works are over, and the date is fax in, looks OK.

By the way, I can only find two turtles at Lanyu during my working time at Lanyu. One of them has the lump on the second dorsal carapace. Thus, I am deploying the PTT on the third carapace. The data come in just fine. The question is, I cannot find the third one during that week. It appears that the turtle has been experienced some environment change during her incubation. Not only we have one lump on the second carapace, the side carapace number is not right; 5 one the left side and 4 on the right side. Well, she still grow to the adult and produce the next generation.

I have one question, the data I received from the Argos did not looks like as much as I used to

I have one question, the data I received from the Argos were much less in quantity then in previous years ever since we extended the coverage of the antenna almost to the top. Were these results related to the 3 hour on/3 hours off we set up?

Do you have any idea how to measure the vegetation coverage and light shade above the nest in the field? I am trying to look into the factors that influence the hatching success of the nest in the field. This is one of the factor that come across my mind. Of course, water table and precipitation should be another considerations. But, the first ideas have come into the discussions among me and my students for the last two years.

Regards,
I-Jiunn

Date: Tue, 27 May 1997 20:57:54 -0600
From: "R8_NWHR.HON" <R8_NWHR.HON@nbs.gov>
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Re[8]: tumored turtle

FYI

Forward Header

Subject: Re[8]: tumored turtle
Author: R8_NWHR.HON at NBS-REMOTE
Date: 5/27/97 8:55 PM

Dear I-Jiunn

Thank you for the kind update on the turtle euthanasias. It sounds like things went fairly well and that you got the needed samples to get a good confirmation. I will be interested to hear what the vets have to say in their final report.

Hope all is well with you.

TMW

Reply Separator

Subject: Re: Re[6]: tumored turtle
Author: b0107@ntou66.ntou.edu.tw at NBS-Internet-Gateway
Date: 5/28/97 8:21 AM

Dear Thierry: I am sorry to tell you so late. Both turtles were euthanized two weeks ago. We have some problems to find the right place to put them to sleep. The Taipei Zoo refused to let us to use its place because they think it's a bad idea to put the endangered species to sleep forever, UNDER THE NAME OF CONSERVATION. Finally, we taking care of the problem in the Taipei County Veternery Disease Prevention Center. All the bodies were ashed afterwards. You're right, it takes a long time before the turtles cease movement after euthanasia shot. They even use other materials to improve the euthanasia. This is the first trial in Taiwan, and none of the vets know exactly where the heart is located. It took them a while to insert the needle through the ventral carapace, and we believed that one of the shot was not inject into the heart directly. Anyway, it took 2 hours to finished all the necropsy. The vets took every samples, include blood samples, as you have suggested. The pathological conditions of one turtle is rather complicate. The vets did not see fibropapilloma tumor inside the lung. He, however, saw other kind of tumor there. According to his phone conversation, the internal parasites has caused other diseases. Apparently, both turtles have suffered multiple diseases before being pick up by the fisherman. The vets needs at least another two weeks to finish his diagnosis works. Detail works will take even longer period to finish. That's all I know about it.

Regards,
I-Jiunn

Date: Fri, 15 Aug 1997 10:43:57 +0800
 From: b0107@ntou66.ntou.edu.tw
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: Re: taiwan samples (fwd)

8-15-97

Dear George:

I just received a "sort of" good news for your from the COA. The cutting off your travel grant from this year is a misunderstanding (which I was not informed at all until one hour ago). The State Department from my country has just approved a long-term grant for you to visit Taiwan each year (I don't know how long it will last, but it will be for the next several years) by the end of July. It was proposed by Mr. Chen from the COA two years ago. That's the major reason they reject the second proposal I submit this January. Mr. Chen did not informed me any of this activities. That's the misunderstanding between me (include you) and COA. Now, I have the money for you to come here this year, next year and god know how many years to come. It's the US-Taiwan Cooperation grant from the COA. Well, it's too late for the satellite deployment work this year. So, will you come over this September when there are still mother turtles come to nest, baby turtles come out, and check on the Ta-Yi Tample and "sea turtle rescue center" at Peng-Hu Fisheries Branch Institute? We can travel to both islands when my fellows students and RAs are still working hard to collect their field data.

Regards, I-Jiunn

note ✓

Date: Sat, 16 Aug 1997 11:37:42 +0800
 From: b0107@ntou66.ntou.edu.tw
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: your new position in Taiwan

8-16-97

Dear George:

I have just received the fax message from the COA. You are going to have a new position in here. The name of the program is "US-Taiwan Foundation". Your formal title is "foreign advisor to the sea turtle research project". I am still trying to figure out your salary from the COA, and let you know maybe next Monday (it's the weekend). Is this make you feel better? One more thing, your experience/formal position are: Dupty chairperson, IUCN, MTSG, and "professor of the University of Hawaii". So, try to speak like the "big professor" from a major university (smile) when you come to Taiwan again.

Regards, I-Jiunn

Date: Sat, 16 Aug 1997 09:40:17 +0800
 From: b0107@ntou66.ntou.edu.tw
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: various things

8-16-97

Dear George:

I agree your opinion, the typhoon tube has no affect on the quantity of data. It should be the behavior of turtle. The data looks fine to me, One turtle has migrate from Lanyu to a southern island of Penghu County, vie the south tip of Taiwan. The second one deposited another egg nest two nites ago. Jack checked the PTT on that turtle. It looked as solid as usual. Thus, the deployment work went fine so far. However, the resin I found in Taiwan harden faster than the one you brought in, thus I was "very busy" during the deployment (always felt back ache after the work).

The other thing is the funding for you to come to Taiwan last from the beginning of this August till the end of next June. Then, there is another grant for you to come next fisical year. That's what I know about it.

Regards, I-Jiunn

Date: Sat, 23 Aug 1997 12:46:26 +0800
 From: b0107@ntou66.ntou.edu.tw
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: various things

8-23-97

Dear George: According to the project, as usual, you will be granted NT\$110,000 to 120,000 (include international and domestic travels, lodaging, and others) for 10 days travel to Taiwan (tax-free). I'm still documenting your grant proposal, however, money is there already.

One thing you ought to know is; some officials maybe from NMFS or FWS (Fishery and Wildlife Services) are coming to Taiwan in the middle of September to understand why my government refuse to implement TEDs. I will give a presentation in a one-day symposium on 17th of next month. Yes, I did tried once to introduce TEDs to the COA. However, the Fisheries Section of the COA cut off my grant and treat me as a betrayer ever since (my undergraduate major was the fisheries). Well, it's the time the Fisheries Section should take the heat, not me any more.

Regards, I-Jiunn

check on notes

7 Feb 98 Sat. ON ANNUAL LEAVE Depart Honolulu Business Class FL001 China Airlines 120pm
11 hours DIRECT TO TAIPEI.

OBJECTIVES AS FOLLOWS:

- Review Deployments (DME MAPS) Complete a MANUSCRIPT
- DA-YI Temple - inspect and recommend SEA TURTLE RESERVE CENTER?
- Genetic sample collection - AQUARIUM - BY-CATCH
1992 Need PUTTON 19 DA-YI Temple? HEAD IS COLLECTING?
LANYU N=8, WAN-ANN=12
- Follow-up Satellite track results by VISITING AS MANY DESTINATIONS AS POSSIBLE AND PROMOTING CONSERVATION AND RESEARCH AT THEM.
- PLAN "INTERNATIONAL WORK SHOP" IN TAIWAN ON SEA TURTLES.
"RESEARCH PLAN"
- Visit PENG-HU for turtle ceremonies, photo document and write short article w/cheng for MTN. "WA-SHE"
?= "Pray turtle"

continued p. 44

Date: Fri, 20 Aug 1999 16:26:56 +0800
From: dgjoclub@ims01.netvigator.com
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: "Tin Hau"

[The following text is in the "iso-8859-1" character set]
[Your display is set for the "US-ASCII" character set]
[Some characters may be displayed incorrectly]

Dear George,

The "Goddess of the Sea" is called Ma-tsu in Taiwan and Fujian. In Hong Kong and other South China coastal cities, she is called Tin Hau. Literally means the "Queen of the Sky". The other title given to the same person that became Goddess that protects sailors and fishermen. Macau was named after the temple that was dedicated to the Goddess, there she was known as "Ma Kok Temple", mother's temple. The Portuguese arrived at Macau and named this place after the big temple that was built by fisherman came from Fujian.

I'll take a TV crew to Chinese Sea Turtle Reserve this Saturday. This year so far there has been 20 nests found. Now Hong Kong has no turtle nest yet but a dead turtle was found untangled in a fishing net last month by my brother while diving at South of Hong Kong Water and he took the whole skeleton and some of the shells back. Are you coming over to Hong Kong? I can take you to China but this season is going to the over soon, so if you want to go to see Chinese turtle should hurry up, otherwise leave it to next year.

SEA TURTLE WORK IN CHINA

MTN 1983#36
MARCH

Marine turtle conservation is being carried out in China, where marine turtles have been classified as protected animals. The First Session of the Marine Turtle Conservation Meeting was held at Huidong County, Guangdong Province in September 1985, attended by representatives of the China

Ministry of Farming, Animal Husbandry and Fisheries, the China Ministry of Construction and Environmental Protection for City and County, the China Scientific and Technical Committee, the Institute of Zoology Academia Sinica of China, the China Wild Animal Conservation Association and the concerned departments of Guangdong Province. During the meeting, the Guangdong television station made a TV film about the turtles' egg-laying, hatching and breeding in the Port of Huidong County.

The major area in China for marine turtle nesting is the Xisha Islands, but the turtles also nest every year in the Port of Huidong County. In order to protect the marine turtle resource, a marine turtle hatching area has been set up at Huidong County and two marine turtle conservation areas are being planned to be built in the suburbs of Sanya City and along the coast of Ling Shui County of Hainan Island. After artificial breeding there, the turtles will be tagged and returned to the sea. A South China marine turtle observation team will be organized by the Ministry of Farming, Animal Husbandry and Fishery. This team will complete its observation mission from 1986 to 1987. Dr. Huang Chu-chien has been contacted to act as an advisor to the team and will participate in the marine turtle observation with the team.

The Beijing Science and Education Film Studio will shoot a film about the South China Sea marine turtles. Dr. Huang Chu-chien will also act as technical advisor for the film, which will be made during 1987.

HUANG CHU CHIEN, Institute of Zoology, Academia Sinica, 7 Zhongguancun Lu, Haidian, Beijing, CHINA

CHINESE TURTLE RESOURCES SURVEY

MTN 1987

A meeting was held in Haikou City, Hainan Island, Guangdong Province on 21 & 22 March 1987 concerning the survey of the Southsea turtle resources. Methods of conserving the Southsea turtle resources were discussed and a plan was worked out to investigate and research sea turtles in the Xisha Islands. A base will be built in the Xisha Islands to conserve sea turtles, and preparations are being made for the breeding and rearing of sea turtles there.

June #40

HUANG CHU-CHIEN, Institute of Zoology, Academia Sinica, 7 Zhongguancun Lu, Haidian, Beijing, CHINA

Date: Mon, 1 Sep 1997 08:29:45 +0800
From: b0107@ntou66.ntou.edu.tw
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Re: VARIOUS

9-1-97

Dear George:

The campus mainframe was down again last weekend. Thus, I was able to read your message, but cannot reply it.

About the title of the "BIG PROFESSOR", don't worry about it. It's only appear on the paper works. Everyone in here will consider you as the Deputy chairperson of the MTSG. As a matter of fact, that's what the newspaper says all the time. Already, a couple of reporters miss you since this summer. I think the government should change their thought on this matter from "know how to do the deployment of PTT" to "what is the reason to get you to here".

Regional strategy meeting, that's something I almost forget completely. However, the money the COA granted to you just isn't enough to held such meeting. Maybe just come over to arrange something like that ?

All three PTTs are working fine. One turtle finished her nesting and migrate from Lanyu to the southern Penghu. The rest two are still in the interesting stage.

Thanks for the information about the TEDs people. I have just returned from Malaysia from a international symposium held at Terengeau, where the Chan and Liew are stay and teach. I have a great time there (I stayed only for four days), and pay a visit to their field site. It's a great place to work, with only one beach about 300 meters width, no road access, no electric (so no lights in the night). You can only reach their site by boat. Naturally, very very visitors, and workers are the only residents on that side of the island. They hire 4 villager and one RA. This year, they have 83 nesters produce more than 370 nests (green turtles). The season is not over yet.
How I wish to have such situation in Taiwan.

Ironically, Chan will be act as the scientific advisor to the Malaysia government to go to Geneva in the middle of September along with the officials from Thailand, Indonesia, to appeal the recent practice of US's TEDs law at the WTO. She told me that the government pointed her to that position. Thus, she has not choice to say no to this "offer". Anyway, I told her it's a opportunity to see how the politicians practice their dirty game.
Regards, I-Jiunn

Date: Sat, 6 Sep 1997 10:26:23 +0800
From: b0107@ntou66.ntou.edu.tw
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Re: VARIOUS

9-6-97

Dear George:

I do hope you have a nice trip to French Frigate Shoals. I have just returned from a short trip to Wan-An. Finally, under the helps of many complains from the tourists, reporters, etc. the PengHu County officials invited me to deploy the Inconel tags on the turtles that Da-Yi Temple had have. I got all my students, helpers from Wan-An yesterday to the mainland island of Penghu, and finished all the works in the basement of that temple for two hours. The place is a horrible jail for the sea turtle (Nazi death camp). Not to mention the high humidity and bad air circulation, among 19 turtles we tagged 17 of them are in various stage of hungry. Some of them are in critical conditions. At least 5 of them had their flippers being beaten off partially. Two of them even showed the symptom of infection on the flippers. Most of the turtle are juveniles or subadult, one of them are mature green female.

need data

Among 19 turtles, one is loggerhead (subadult), 5 are hawksbill (juvenile to subadult) and the rest are greens. We did the measurements, took the photos ID, took the tissue samples, and tagged with Inconel tags. The officials were with us all the time. They have observed and understand the situation. However, at least I was not in the position to push the owner to improve the jail condition or made them to release some of the turtles (these turtles will die once they release to the sea, they are too weak to release). That's make me very sad and frustrate. However, I make the first movement to management this temple. I'll keep my eye on this temple from time to time and make sure that they are not getting any new turtles from the fishermen. I also need you to go to that temple, take a look at the situation once you are here. I need expert suggestion (that's yours duty to be here, right ?) to file the report to the officials in the near future.

Regards, I-Jiunn

Date: Thu, 18 Sep 1997 08:19:28 +0800
From: b0107@ntou66.ntou.edu.tw
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Re: Biological Conservation publication

Reduce
9-18-97

Dear George: Thank you. However, I haven't seen reprint copy myself. I wish that we can send out our manuscript sometime this year. Right now, I am working on the other manuscript on the nest site selection with Amy. However, I have to do some extensive rewrite and more background information reading before that manuscript can be submitted. It will takes at least another two month's work before finishing all the editing works.

The TEDs specialists came to Taiwan and held a workshop since yesterday. There is a guy, name Charles A. Oravetz from MNFS, Southeast Region told me that he is a old friend of yours. We have a nice talk in the banquet. I also told him that your nick name in here is "Mr. Guava Juice". This is a four-day long workshop, and my position in that meeting is to give a talk about the sea turtle conservation in Taiwan and translater between English and Chinese. I have absolutely no idea what will happen to Taiwan after this workshop. Anyway, it's not my business, because I was "block" from access any of such data and fisheries officials denial any such catch.

By the way, I have submitted your travel grant several days ago. It will be effected within a week or two. Maybe it's the time to talk more about it.

Regards, I-Juinn



1994
ST-6
CH240

Conservation News

International Conservation Newsletter
9/97

On July 23, 1997 the ROC's first female green turtle to be fitted with a satellite telemetry, Wang-An **No. 1** returned to the shore of her birth place on Wang-An Island, Penghu, to lay her eggs. *Vol 5 No. 1*

Wang-An No. 1 is the first female turtle to be fitted with satellite telemetry as part of research into the migratory routes of green turtles by assistant professor I-Juinn Cheng of National Taiwan Ocean University. Her return marks the first real evidence in Taiwan that Penghu's green turtles actually do return home to spawn. When the satellite equipment was attached on August 27, 1994, Wang-An No. 1's shell measured 96 cm in length. When she returned this year, her shell had grown by 3 cm. Wang-An No. 1 is a relatively young turtle. Her shell is ample and ranges in color from tawny-brown to deep brown. After the tracking equipment was attached, Wang-An No. 1 swam north towards Japan. Contact was lost in mid-October and, when she returned to Wang-An to spawn three nests of eggs, the telemetry had already dislodged. It is expected that Wang-An No. 1 will

leave Wang-An sometime between late August and mid-September to return to her habitat. (July 26, 1997)

Date: Wed, 8 Oct 1997 15:48:01 +0800
From: b0107@ntou66.ntou.edu.tw
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Re: Argos mapping of your data

10-8-97

name
weedy
data
to air

41

Dear George:

Thank you for all your helps on the generic mapping. about the Taiye Temple, the PengHu County officials are taking care of this issue. Basically, they were "very shock" when they went down to the pool to doing all the tagging works with us. Now, they are trying to force the temple owner to transfer at least part of the turtles to the rehabilitation center that Fisheries Branch established. I have just talked to the guy in the county office about the "save the last turtle". They decide that the temple is definitely not the place for so many sick turtles. However, because the temple owned by the whole village the decision is on the hand of the village meeting. They will held a meeting on October 11 and decide the fate of these poor turtles. Right now, I am trying to remove as many turtles as I can from the "death house". They will be much happy even if they stay in another "jail" as the rehabilitation center. We are even talk about release photo to the news reporters to create a pear pressure to the temple owner to release these turtles. As to the increase of daily diery, I heard nothing from the officials. Basically, they will not survive too long if the officials cannot get their hands into it.

I did do one thing in this action, I took the tissue sample from each turtle. There are 15 greens, 3 hawksbills and one loggerhead, most of them are juvenile and subadults. I also got 8 tissue samples from Lanyu Island, 12 from Wan-An (they are all the greens). Will you analysis these 39 tissue samples for me? I have also reach a agreement from the I have also reached a agreement with the head of Penghu Aquarium that whenever he got a by-catched turtle from the local setnet fishermen, he will take a tissue sample for me. Then, I will be able to identify the genetic structure of the turtle in the waters of Penghu County.

Regards, I-Jiunn

Dutton
1997
DA-YI
19
LANYU = 8
WAN-AN = 12

Date: Thu, 22 Jan 1998 08:14:22 +0800
From: b0107@ntou66.ntou.edu.tw
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Chinese New Year Holiday

1-22-98

Dear George:

I'll be out of town for the New Year Holiday to Taitung from this Saturday (January 25th) till Feb. 4. I'll be in my office on Feb. 5 to check my mail and e-mail messages. I'll be gone again for the meeting from Feb. 6 till 7, and be back to my office on the day of your arrivial. Do you have the same message I prepared for you two years ago? Or, I can pick you up at the CKS airport on the day of your arrivial in here.

Remember, Taiwan is not Hawaii. It can be cold (not freeze) during the winter. So, prepare heavy clothes and warm jacket for this trip (we are not going to stay on the beach, it's too cold). The temperature can drop down to less than 10 degree centigrade plus wind chill factor. Although we have El Nino thus warm winter this year, the cold front blow from the mainland China can still create very cold days. It's always rain in Taipei during this period, and always windy in PengHu. This give you some ideas the weather in here. However, we have heating system in here, it won't be too cold most of the time.

Regards, I-Jiunn

Date: Thu, 22 Jan 1998 11:00:08 +0800
From: b0107@ntou66.ntou.edu.tw
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: your trip to Taiwan

1-22-98

Dear George:

There is something I would like to ask to add up in your trip in here. Would you like to give a talk during your stay in here. I'm pretty sure that, at least my students, will be very interested. If the answer is yes, then please e-mail me your topic, I'll post it out and put a note in the domestic e-mail system. I have to do it in these two days, because the big holiday is coming up. The COA officials will also very interest too. They are arranging to meet you officially after your arrivial.

Regards, I-Jiunn

Date: Fri, 23 Jan 1998 12:29:45 +0800
 From: b0107@ntou66.ntou.edu.tw
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: Re: Visit

1-23-98

Dear George:

It's nice to hear about your successful in deploying the PTTs. Well, I'll fax the message to you again. Regarding the agenda, we will do the above things plus your talk, and we will travel to Kentun and visit the Marine Biology Museum. We will stay in the hotel on Feb. 12 where I will give a lecture for two hours (to the high school biology teachers), then we will visit the Museum or/and Kentun National Park. We'll be returned on Feb. 13. Thus, your schedule will be: arrive on Feb. 8 (the nite); we can talk on Feb. 9 and give a talk and talk to my student on Feb. 10 or vice verse. We can also do some senic visiting in Taipei during the same periods. We will travel to PengHu, not Wan-An, on Feb. 11; go to Kentun (in the Pen-tung County; the most southern county in Taiwan) on Feb. 12, come back to Taipei on Feb. 13. I haven't decide what to do for the rest two days. Maybe find some time to talk to COA officials regarding the funding for the regional meeting. In the meanwhile, you can do some shopping in here.

In regarding to your talk, it's really up to you. You can talk 40 min. or one hour. It's the winter break session, so we have plenty of time to do it. We can open to free discussion afterwards. We have slide projector (35 mm, yes overhead projector, ... everything you have in the US. I can even burrow the vedio recorder if you want. So, feel free to bring your stuff. The topic is fine. I'll post it out ASAP.

See you soon.
 Regards, I-Jiunn

Date: Wed, 28 Jan 1998 10:52:04 -0500
 From: donnelm@dccmc@cenmarine.com
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: Re: Planning for a Regional Meeting on Sea Turtles (fwd)

Dear George,

1-28-98

My knowledge of what's happening in the Southeast Asia-Oceania region is limited but Doug Hykle at CMS has told me that his contacts there are interested in holding a regional meeting in the next year or so. Have you contacted Col about this? FYI, he and Leisa are having another baby sometime in the next few weeks!

Romy Trono in the Phillippines has been quite interested in developing a regional sea-turtle network and is in contact with Doug Hykle about this. I recommend that you ask him for his input. His email is "rtrono@mozcom.com" Please keep me apprised of what you learn.

BYE! MD

Date: Tue, 03 Feb 1998 19:43:19 +0100
 From: Douglas Hykle <dhykle@cms.unep.de>
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: Re: Regional meetings on sea turtles in SE Asia

DOUG HYKLE

Dear George,

Just to give you a quick (interim) reply as I'm tied up in meetings most of this week:

CMS has a fairly longstanding plan to organize a regional (SE Asian) sea turtle meeting along the lines of those sponsored by CMS in South Africa and India, and which we are planning for West Africa later this year (w. Jacques Fretey). Ideally this would take place in Malaysia, in collaboration with the relevant government ministries and Wetlands International (based in KL), which can provide logistical support (the Liews would also be involved).

The plans have not yet materialised, in part because of the economic difficulties Malaysia is currently facing (which, incidentally, have recently resulted in the postponement of a Ramsar/Wetlands International meeting there). In any case, I will be pursuing the matter again in the coming weeks to see whether it's still feasible in 1998.

For reasons you are probably familiar with, CMS would not be able to be involved in anything in Taipei, but the reverse should not pose a problem. I suggest we keep in touch on how things are progressing. I wouldn't want to discourage your colleague; on the other hand, there have already been a number of meetings in the region that have yet to produce much in terms of regional cooperation, and I would be concerned that people will begin to "tune-out" if these activities are not focused and co-ordinated.

I look forward to hearing from you again.

Best regards.

At 14:55 31/1/98 -1000, you wrote:

> Dear Doug- I don't believe we've ever met in person, but I look forward to the opportunity. I have been serving as the Deputy Chair of MTSG, and Neca of course is the current Chair. Next week I'll be traveling to Taipei (on my own vacation time) to spend a week with my friend and colleague in sea turtle research, Dr. I-Jiunn Cheng. We will try to wrap up a paper on satellite telemetry of green turtles done by Cheng, and also visit the sea turtle ceremonies associated with Chinese New Year held in the Peng-Hu islands each year at this time.

> We also plan to discuss the possibilities of Cheng hosting a regional workshop on sea turtle research, management and conservation issues. He has asked me to assist him in this regard, at least to brainstorm the issue. It is uncertain at this point whether we will be talking about something very small (less than a dozen selected persons) or something much larger. I suspect the former.

> So, the bottom line of why I am writing to you at this time is to make personal contact, and solicit from you any ideas or background information or existing plans that Cheng and I should know about before we meet. I look forward to hearing from you at your earliest opportunity. With Best Regards, George Balazs

* George H. Balazs, Leader *
* Marine Turtle Research Program *
* National Marine Fisheries Service *
* Honolulu Laboratory *
* 2570 Dole Street *
* Honolulu, Hawaii 96822-2396 USA *
* Tel: (808) 943-1240 *
* Fax: (808) 943-1290 *
* Email: gbalazs@honlab.nmfs.hawaii.edu *
* Deputy Chairman *
* IUCN/SSC Marine Turtle *
* Specialist Group *



Date: Fri, 27 Nov 1998 13:57:40 +0800 (CST)
From: Amy Wang <hcw43135@ms14.hinet.net>
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
Cc: HCWHCW.bbs@bbs.ntu.edu.tw
Subject: Re: Exact 3 days of PengHu Turtle Sacrifice

The most important day is on 2 March.
By the way, I just send the papers and pictures to you.
I can use the account because our hospital has an account.
I think it will 1 or 2 days. I hope it will help you.

44 cont. from p. 37 * Need - right of FFS "Jep" Two strand topped FF

2-8-98 Treve CHS Airport - 6:30 pm Sunday
Sunday 11 hour flight. 110 NT BUS TO GUTCH TOWER
TAIPEI STATION AREA. 75 NT TAXI TO Teacher
Hostel Room 212 15 HAINAN ST.

2-9-98 Breakfast w/ J-Juan - Teachers Hotel 7:50 am.

Monday Taxi to Taipei bus station - Bus to Hsuehchung.

Met Woman JAN PERVIS, worked under
I. Abbott Haurakata 1980's. Been professor here for
6 years. Ryak. Cheryl and I spent several
hours going over 110 migration maps for
publication - Revisions needed in both data
summary (need one large table, or photo captions,
and simplify each map for publication - put in
inset. J. Marine Biology; Cons. Biology?

lunch at school cafeteria.

Discussed Scope of holding a workshop of some sort
Late Aug. 98, to double up satellite trans. deploy at Lan Yu?
Ideas set forth: 2-3 days; 8 people; CMS observer
"International workshop on the nesting ecology,
① migrations, and ② foraging habits of sea
turtles in Taiwan"

Words tossed around - Northeast Asia, Taiwan Strait, Hong Kong,
Mainland China, ASEAN, MTSG, Global Strategy (Chinese version Aug)
= Individual Strategies that "fit" = ② Research and Monitoring;
③ Public Awareness, Information and Education. ① Regional
and International Cooperation. "The China Question"
Meeting Location. Not "The Taiwan Question"
CMS - Remind him about MTSG China global
can be observer? Strategy.

2998 TAIPEI Reporters. other observers: Cheng's students
- length cavity Genetics 43
- LANYU YAMI cms observer Douci Hsieh

MONDAY Taipei Record TAIWAN
Participants: Japan/okinawa²; Hong Kong¹; Malaysia¹;
Philippines¹; ME. FACILITATOR. MANGAUD CHINA²

Objectives/IDEAS:
TO PROMOTE INFORMATION EXCHANGE AND
CONSERVATION RESEARCH ON SEA TURTLES, SHARKS,
INTERNATIONALLY CRITICAL HABITATS WITH TAIWAN.

Objectives listed - information exchange; promote research - go to
forage habitat locations - determine if abundant, sample
genetics etc level of take (management/conservation status); Collaborative
research; identify problems/constraints/opportunities;
lay some groundwork for CMS REGIONAL workshop;
Identify Players/build capacity for new players.
Promote MTSG Global strategy contents.

"Working Group Meeting"
Cheng's bed of snakes eating eggs in nest at LANYU (includes embryos) due
to reduced availability of beach - hard mining - concentrates eggs and snakes.

1/9/98 Dinner at Restaurant near Cheng's home.
2/10/98 up 530am, worked on notes - slide presentation
TUESDAY until 730am. Cheng for breakfast 750am.

845am COA meeting w/ Cheng, 2 others
including TOP man (Shi - CHAO Citen, Director,
Forestry Department COA executive YUAN
Tel. (886)-2-312-4070; FAX 886-2-312-0337)

Proposed Small workshop in Taipei.
Never been to CMS. Receptive - Also to pay Cheng's wages
10am leave for Keelung. (postwater he didn't go ultrason)

Bus from Taipei Station to Keelung waterfront, then
taxi to university. 70mins. Lecture to Cheng's
student ~ 15 total. Lunch at self school
restaurant w/ students (hold napkin up!) situation
great
PRE-101!

2 Group photos on roof top.
Train back to Taipei airport ~ 4pm.

16 1998

Taiwan length sacrifice to Army
Woman (creator of earth?) of 3 ^{TAIWAN} GODS = GUAN YE

2/10/98 7pm dinner in hotel w/ cheng family;
TUESDAY 8pm walked around "Cheng plaza"
for "Lantern Festival" - crowds of
people going in one direction (clockwise)
mobile "temples", elaborate lanterns of tigers,
etc.

2/11/98 TO TAIPEI Airport in TAXI 9am MONT 30
Wednesday Met Cheng; - Amy Wong and boyfriend came
and also Boles film man and woman
Names/Address:

"5 Temples in 10 hours"

"Ocean Spirit Temple" (Boys & Girls
Cafe Taipei my name)
#A = MA-TSU = TIEN-HO

Depart ~ 1030am
for NAKUNG ("NA-GONG") length - 50mi
ATR twin prop.
Met by length County official (言 91)
Drove to Seafood Restaurant -
numerous courses. Afterwards checked
into hotel, then we were driven
to a few km's to "Temple" of 5
visited over the next 10 hours of
"non-stop temple visiting." MATSU pipe
walkway entrance - colored toilet paper
sequen, + pieces of candy by 2 women.
Huge turtle made of dough of rice flour
said to total 6000 lbs. Many photos
Plastic-sealed cloth for "peace" - flared
in smoke of incense. one for B. Schweder
Photo of money burning. Me and shop
keeper (where I bought stone necklaces)

Reverse Coin Toss to Fiat Plastic Matsuo 47
 PONG-HA #22 Tray = WIN 1 bag rice flour

2/11/98 Photo of MATSU excludes map - Turtles
 Wednesday helped MATSU go across Taiwan Strait.
 Photo of inflated "Arc". Drove to
 Temple #11 = Bought five Coke turtle "w/ my name on it".
 Fortune telling in machine = watch the medicine (=wife). TIEN-HO (MA-TSU) = OLDEST IN
 Taiwan 1592 MING DYNASTY

289 = 102

Temple #3 Golden Turtle 11802 gold. Carapace (mold of) green
 flippers, and head with serpent-like characteristics.
 live turtles put in pond.

⑤ 山水上帝廟
 玄天上帝，脚踏蛇龟
 Golden Turtle



Name of God w/ turtle and serpent by foot:
 N. Kohala stone-Petroglyph; Borabora OFAI HAW; Tarnotia
 Turtle sacrifice; pray for turtle - Petelo;
 Rudloe missing pieces; disassociation of Temp goes to sea turtle
 "Turtle Mother" MATSU ♀

- Multi-Satellite Service for Cheng #1269 ?

2-11-98
Wednesday

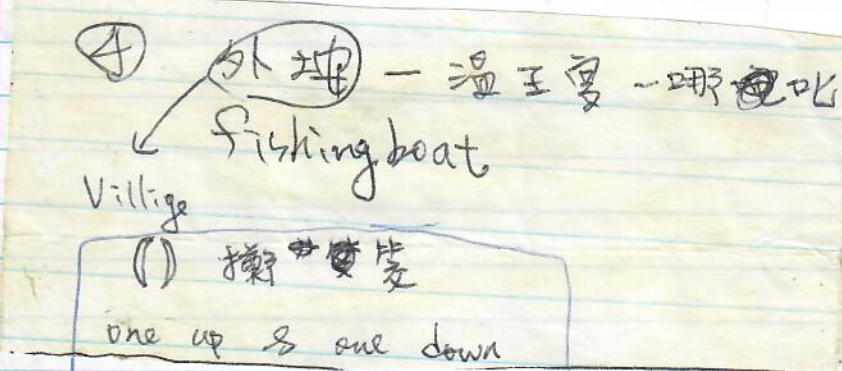
- ARGOS email Address =

- Compute duty cycle for late August 98

Temple #4 fishing boat village - lights on boats lit up area as if it were "tomorrow";

Long
were
from
Temple
#3

Two temples besides are another, "God representative" - Common in Taiwan proper only certain temples? Trained since a boy Ancient language? Cheng says always of men, except for a Temple at Wan-An where there is a woman.



God representative being carried on litter around village

Howard Plaza Hotel 4/99

Ma-Tsu temple - 大正宮



海聖殿
山水上帝殿



wednesday
7/11/98

Li, Chien Chiu - Victor Hotel

(talked to) Attended Cheng's lecture.
Counterpart of chen in length.
(in KAOCHUNG)

Temple #5 New - all gold. (180kg Rice)
Photo cake turtle w/ Tiger on top (carapace NT?)
Reportedly #1 Billion NT? Someone else said 300,000,000
numerous Gold turtle also, but much smaller.

Temple
5

⑤ 祖師廟 - 清水祖師

西文 Village



2/12/98 UP 6:30am, walked short distance
Thursday to Makung fish/vegetable market area.
Also "Penguin Activity Center" - large
rice cake turtle - photos, no shrine associated.
8:30am departed for airport w/ Cheng ^{TRANS ASIA Airways}
35 min TO KAOCHUNG Depart 7:00 AM.
Picked up by driver/van - 1/5 min.
drive to "Victor Hotel" where Cheng gave
2hr lecture to teachers of area (IN-service)
I walked through village (name =
Photos of temple on top of restaurant (2nd floor).
Two other nice hotels. At night, once a
week, vendors set up along side street,
Pachinko, portable children's rides, meat and fish
sticks, women's underwear, etc.

2/13/98
FRIDAY

Breakfast at Victor Hotel. Drove to
Marine Biology Museum/Aquarium under
construction by National Government in
KENTING NATIONAL Park. 100 families nearby village.
= HOWAN VILLAGE

KCM International
1917 First Avenue
Seattle, WA 98101-1027
(206) 443-5300
Turtle Body
STAMP
Edward Chao
Prison

need - I. orchids + Taylor (web site)
2/13/98 Given Slide show and tour by
FRIDAY on-site chief engineer. "Turtle Hill"

Dropped off by driver at southern-most city in Taiwan of Hengchun. Bus to Kaohsiung. Sat night to Vanessa - going to college in Beth - tourism major, Kaohsiung to Taipei Formosa Airlines - to KERRY (Netherlands) twice jet.

Friday afternoon I went back to lantern festival entertainment at 7pm dinner at Amy Wang's apartment w/Cheng ^{Yours} Sister flight attendant for Mandarin Airlines (subsidiary of China Airline) fly to Vancouver Canada. Oldest sister daughter - Christy 6y.o. excellent English speaker.

F/LM Director and associates = Jack Chen Louise Shen card - see p. 4
+ Amy's brother + girlfriend
(now in Army must serve 1 yr 10 months)

6pm Return to GHS Memorial Plaza Lantern Festival - Saw poster show of large tiger - photos (print).

2/14/98 up ~ 6:30am. breakfast at coffee shop Saturday picked up by Cheng, wife, Wan-wa, Yuen-wa 9am TO - Taipei Train station - Metro nearby - TO Tam Shui City - ~ 40m in newish subway (elevated track). Tam Shui city is at mouth of estuary of large river - borders Strait. Shops along narrow streets. Ate lunch (fish ball soup) in local restaurant.

Saturday

2-14-98 Bought temple red lights. Rode back on metro to
yode flea market - 100's of vendors. Left for
Hotel ~ 2:30pm. Checked out of hotel
5pm. 25 min to get to Taipei bus station by
taxi (traffic jam). \$110 NT bus to CNS airport.
Depart CNS 9:10pm. CHINA AIR CT002.
a 8 hour flight slated to Honolulu.

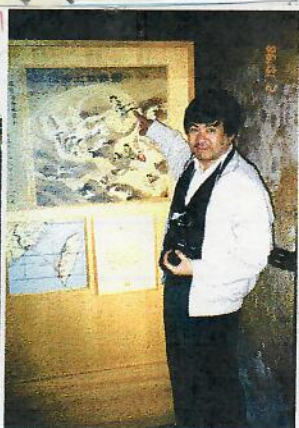
BAWANG Temple
Temple (Ice cake
Turtle purchased
- left there with
my name on it.)
① 海靈殿
Ocean Spirit Temple



near
Victor Hotel
S. Taiwan
City in S. Taiwan

② 天后宮 - Temple
平安符
peaceful card
personal protection card)
WATSC ♀

6000kg turtle ↓



Outside Matsui
Temple #2

Ridge Cake Turtles from Peng Hu brought
to the 15th Texas Symposium on
Cheng, and fedexed by Amy.
Cost into the Sea

52



Name
* photos of
Girls sent.
They give me
back all Rice
+ leave turtles

Penghu - Prominent features: Temples (ovate numerous roofs)
To western, indeed and graves - large and graves!
any, eye =

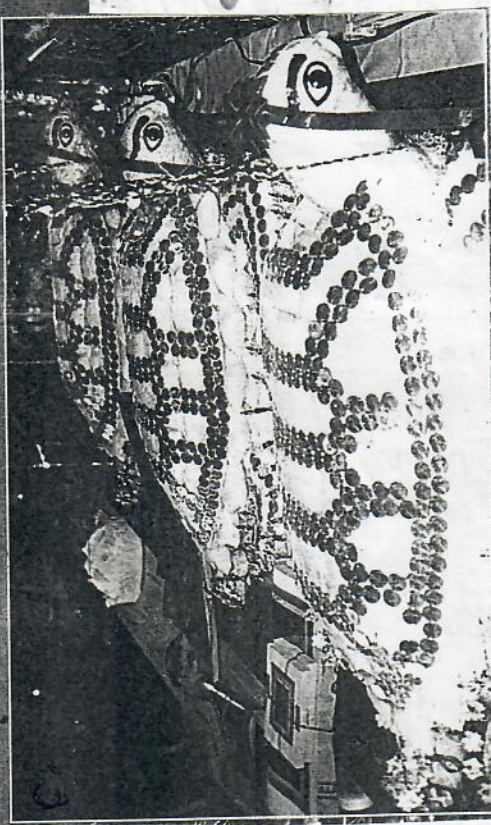
No apparent connectedness to SEA turtles - other than symbols, sacred symbols.

海邊天后



None like this seen at 5 temples visited. From Brochure

6,000kg



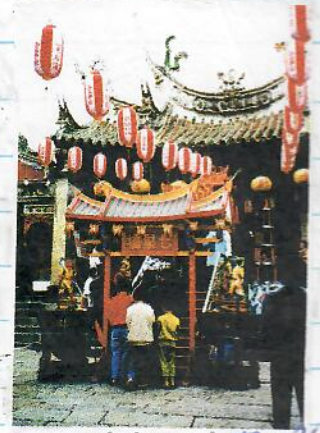
MA TSO
QUEEN OF HEAVEN

The goddess Ma Tso is known as the goddess of children, the goddess of the southeast, and the goddess of rain. Her image is often placed in the parks of cities. Her image is often placed in the parks of cities. Her image is often placed in the parks of cities.

A General of King Dynasty, according to the legend, Ma Tso was a general of King Dynasty. She was a general of King Dynasty. She was a general of King Dynasty.

Ma Tso continues to play an important role in Taiwanese spiritual life. Her influence is apparent through the Ma Tso Temples scattered in nearly all towns throughout Taiwan.

The scale in this exhibition shows the creating and the structure of Ma Tso Temples' celebrating her birthday.



MA TSO TEMPLE Temple #2

HONOLULU
TAIWAN
FESTIVAL
LATE 1998 MCCOY Pavilion



台灣省澎湖縣馬公市山崎里90號

R.O.C.

Gold Turtle Temple #3



FRIDAY DEPART 9 APRIL 1999 EVA AIR ^{Cosmare Continental} Seat 1C. Boeing 767-300 Business class - office Trans
Depart 2:30 PM TO TAIPEI 6 hours time difference
SAID TO ARRIVE 7:15 PM 4/10 & nearly 11 hours

need American Institute of Taiwan ^{ECONOMIC OFFICER} = MARY TAYLOR
ARRIVE ~ 7:15 PM 4/10 Saturday ^{886-72-2709-2000 EXT. 2395}
⁸⁶¹⁻⁶⁵⁷³

4/10 Bus to Howard Plaza Hotel, ARRIVE ~ 9:15 PM Room 50

11 APRIL 1999 9:30 AM Buffett Breakfast in Hotel. Colle Sunday by Cheng ~ 9 AM. Met Sail. worked in room until 2 PM. Met by Cheng - 3 of us took rail to Taipei. Saw meeting room. Walked 200 hours, returned to hotel w/ sail. 6 PM dinner at nearby Thai restaurant, walked Area - Bed ~ 9:30

12 April 99 up ~ 5:15 AM dark. First light ~ 6 AM

Monday TAIPEI 2006 ^{And forum} 9:15 AM start. Group photo 9:35 AM
- Taiwan LEOPARD SNAKE ^{eat} Photos w/ hatchlings
- 1000 km coastline - Taiwan
- Fiji ^{Turtle} Project - Taiwan. Taiwan Member INTERNATIONAL

Community - Contributions TO WILDLIFE Conservation
"Lead Shepherd". APEC = ^{East} ASIA-PACIFIC Economic Corp. 21 members ^{#15} 16 Trill

1999 set up Marine Resources Coordinating Working Group (MRCWG).
Lead Shepherd = "Chinese Taipei"

Shepherds Canada PRC Indonesia Thailand
Project Eval Grps: AST Canada Chile Thailand

(MATSU) Guide in Navigation for the sea - safe journey safe arrival. - working projects -

"Management of Red Tides and Harmful Algal Blooms in the APEC Region" - NTDF

"Ocean Research Network for the Pacific" - ? up certain, need more into.

"pursue & promote links" (Good buzz phrase).

KAWAZAKI Send Abstract

Needs SATI TRACK 1997-98 1998-99 maps into this book

- Dutton RAK business? 55

English

Translate - NAMES OF 5 TEMPLES

TDR TECHNOLOGY WAN-AN

Sea turtle stamps booklet ALBERTO

PURINA

- KAWAZAKI person - UAE

- Amy #40

EXTRA copies of Proceedings

- TROUT FOOD - TAWAN M.G. MAPS CONVERT TO 35mm slides

International Workshop on the Migration, Foraging Habitats and Nesting Ecology of Marine Turtles in Taiwan "12-14 April 99 Taipei"

Meeting MD? ALBERTO Dong - 1999 Ivory Coast? sea turtles, Russian 7

Global Environment Facility

cell 0935209835 cell 11/99 Cms S. Africa

(Home)

29142054

AMY WANG

Pager

0943033724

12 April 99

Monday

Wed - Send Snap Video to Louis & Jeff

obtain FINAL of VIDEO from them. There are shown.

Excellat Powerpoint

"FONG SHIN"

WAN-AN

slight more than 1000 results

Romy 115pm

BA2 any Loggerheads - 2 J's on tagged ones

from So Philippines

(same as 19th Sem. presentation)

Pawwe-can

Awith AN

1983-93 Romy

has some

Created E.O. 542 in 1979

Turtle Islands Heritage Protected Area (TIHPA)

was turtles only

9 Islands 5,000 per year

3 Islands 18ha vs 300ha

6 Islands

5 families use eggs

J Paul Getty Award

JMC

JOINT IMMIGRANT LIAISON 11/98 STAFF use sat. tel.

(Bill Bird)

CHON

SEATEU RULAU REDANG, CHONG

next Lew 2pm - Research Small beach - saturation

"Turtle DATABASE" SOFTWARE, needed to rapidly send

info back to adoptors.

X 7 times nesting

Chagar History - most important beach gt. Kemiala, Malysia

KAWAZAKI - 2 15pm - TAWAN Survey. No nesting found.

BIT DOG BIT HIS HIP.

4/12/99 3:30 AM ^{STAFF PHOTOS REPT. SENT} EAST CHINA Sea - Tagged females nesting - Loggerhead
in BYCATTH. + coastal set nets of JAPAN.

Monday SUGANUMA - OGIWAKA ISLANDS - g.t. nesting
March - nesting couples. 120 years ago turtle fishery started
thumbback whales, 1880 1500 turtles a year

1948-58 American period - not much harvesting,
now - Pen attached to beach. Hatching - few months to year. MAJOR
others released after nesting season. TERMITES! Predation -
1983-90 23.99% success of eggs hatch natural

HATAJIMA & Chichijima - nesting islands,
1998 = 800 nests

1988 → Taipei Market - Chinese Characters on Turtle skin
36 days 60km per day - Release? Capture site?

Hainan ISLAND UNIV. Dr. HAI - TAO SHI - Send into HAINAN -
10 min before leaving - Paper approval arrived. HAINAN - NESTING

stuffed turtle in store - HAINAN = Large hawkbill, \$2000, Small green, Tremendous find
increased to catch turtles. Airport shops - stuffed turtles, Fisherman Family = \$300 year

leatherbacks stuffed! very few in recent years - hard to locate.
Coral reefs around island badly damaged. Turtles in Hotel ponds?

4:20 PM JOHN WONG 800 km Coastline.
sitting on Olive?? Photo sitting Halophila shown. AIRPORT, SITTING

Hong Kong Marine Conservation Society, STUFF turtles, stuffed turtles!
70 W. of Hong Kong "Huidong Turtle Nature Reserve" Set up 1984

<1949 large number turtles/eggs. 100,000-200,000 eggs/year "change of ownership"
lots of people collect eggs, 1986 12km² protection area, 1992 upgraded to

National ST 1964 to 8km protection. 44,000 eggs 38,000 hatchlings 36,000 released
67 turtles 38 nests, 4,568 eggs = 1996 1997 = 52 29 nests, 1998 = 86

6,387 eggs, near town of 25,000 people.
Houses, Plaza

4-12-99 7 PM BANQUET AT Hotel sponsored by EPA.
MONDAY Room 404

4-13 8 AM Cheng - (12km WANAN Long) Interesting
TUESDAY Sex Ratios; GIS/GPS. Home Range 5-10km 2m dep

- WEED - Genetics of Loggerheads - Taiwan
- CONTACT UCR/IDA; + Bones in Aquarium
- Philippe Roche - Russian? ARGOS
- XRAY PIT TAGS - MAKE Slides 35mm
- Give Seaweed Manual to QNTOU researchers
- Saif - Individual containers
- ALBERT OF CATCH
- CUT OUT! STIMULANT - Flipchart
- SHADE

4/13/99 Cheng - Bycatch study - coastal fisheries; Snake Predation CANYONS
 TUESDAY Educational outreach; Satellite ^{LINKED} telemetry public awareness
 WAN-AN Seawater 25-27°C

Recommendation
 Congratulate
 CONSERVATION
 EFFORTS.
 Reward Tag.

9:40 AM Saif 640 km coastline, UAE TIED TO MARINE ENVIRONMENT, 200 islets, 20-30 nesting islets, 2001 skets
 35m depth, DEEPEST 'POON Strait' President's SON Deputy CHAIR of EMU A 'Ger MAIN' IS.
 ARABIAN SEA VS. ARABIAN GULF INDIAN OCEAN

Nesting start march/early April, BELIEF - Female drinks turtle blood - can get pregnant - Egypt, some parts Muslim world, MALAYSIA
 UAE since 1982 Denial protecting turtle, Chan = ANIMAL lives between two worlds; SAIFs = ANYTHING from sea can be eaten. notes on, Doug Headstart SAIF discussion CAN

11/15 AM - Terminus SUGANUMA - Seaweed bed, no directed rike, BYCATCH ONLY, Gillnet overnight 2-3000 people, 20 years ago. he was there
 Romy = INADEQUATE INFORMATION - ONSITE INVESTIGATION NEEDED BY SEATURTLE SCIENTIST

What types of end-point MARINE INFORMATION ARE NEEDED? Ground truth, SAT. IMAGING, HABITAT CHARACTERIZATION
 extent of HABITAT. KIND of seagrass/algae? Density? sizes of turtles?

Is potential threats along route to endpoint, What make an area special for turtles? What are conditions there?
 LAND AREA use? Runoff etc.

Love Restaurant Buffet LUNCH 2 PM Attitudes/cultural toward turtles?
 MTS& Strategy @ research, Monitoring, CAPACITY
 CHUMAN - went through list, Coast nets - bycatch, Fishing village before.
 <20,000 people - low population.

OKINAWA - KAMEZAKI, Seagrass bed, Big Turtle net, "GINOZA"
 JOHN DAN CAN LIEBARD outside Hong Kong jurisdiction, "Ethnoscaphin" Dolphin
 WONG = 2 hours by boat from Hong Kong

Chen-Liew Name - ENG. 1
Photo of Girl
Video 10
MS. CHING CHUNG "Shingshang"
3 長 順 順 (name)
台 南 縣 仁 德 鄉 中 清 路 150 號 11E
R.O.C. Taiwan

ASIAN
1st
MAY 1993

Send Shi + synopsis
FAX DOGS counter current
Hongkong
7,800 fishermen
- Pit info to CHAW
eng Liew

send ^{chinese} sea turtle CDs
DR. SHI

ASEAN
Gives from local gov

QINPENG - DAO ARGOS POSTERS A
CHINA = species First Category - NATIONAL AUTHORITY (too many asis for other
Sea Turtle - Second category endanger of species under provincial Authority, enforcement

A professor that

4-13^{TUE}-99 丁 漢 波 = MAY KNOW ABOUT QINPENG DAO (suggested by DR. SHI)

Quite 5:55pm Banquet COA 7-9:30pm

4-14^{wed.}99 Start 8:15am WAN-AN TO DONSHAN PRATAS Island

John Young - Turtles seen each side of EEZ Grass washed on beach.
expand of PASS 1960-70s. 300 SOLDIERS. Island Taiwan, but reef of anyone - fisherman. 21 km² Island is 3 miles long destructive fishing practices
Malaysia - Liew - Swallows island Sprotlys - Malaysian military + Dive Resort.

CHI MEI - CHINA Trawling destroys corals (turtles nets)

9:15 AM DOUG HYKLE - International Treaties focusing on sea turtle conservation, legal instruments, CMS = 60 members

Global - CITES, CMS, Biodiversity
Regional - SPREP, Inter American

Action Plans / Strategies - non-Gov, Action Plans
CMS "a hybrid of above. Agreements (Formal TO less formal) ② even less formal = Action Plans / STRATEG
Cal Limps - Hawksbill Genetics CMS funded.

"A political way bring specialists from different countries to discuss case study fillers. Conventions does exist in Chinese."

- ① Ocean-Spirit Temple
- ② MATSU TIEN-H
- ③ Golden Turtle (p.47)

- ④ Fishing Boat Village (p.48)
- ⑤ New Temple (p.49)

PEOPLE COME TOGETHER WHERE TURTLES NEST
 - COME TOGETHER TO TALK ABOUT TURTLES
 OF CHENG - learn of results/collect known info - NEXT STEP?
 PROGRAM REVIEW - HELP EAST/SEAN CHINESE TURTLES
 - HELP Guide Cheng

- IN-water
- students/graduate (more)
- proceedings revision
- Recommendations - write/speak

My Recommendations: ① Shortage of info on endpoints
 ② Students/Attract grad. students ^{IN WATER} ~~to~~ TAIWAN need

4-14/99
 Wednesday

- ③ Visit each site w/ counterpart - give lecture
- ④ Algae Seagrasses
- ⑤ → PIT TAGS CHAN

⑥ DONGSHA PRATAS (urgency)

⑦ → Move tracking

⑧ Student exchange - *⑨ LANYU - BATANES

W.C.M.C. Seagrass study?

ESTABLISH CONCRETE RELATIONS WITH PEOPLE & PLACES AT ENPOINTS.

UNdesignated Two-letter country code - tags?

Chan - web page of tag numbers - Series.

SHI = "Conservation more important than research"

WHERE IS FUNDING AVAILABLE FOR HAWAN ISLAND Literature?
 ETC.

John Wong: Pratas Protection; sighting report forms; TRAIN STAFF VISIT THEM; "Dr. P.M. SO" = Hong Kong TURTLES
 Need: NGO species specific

Romy = "Small technical working Group" - identify funding sources

SMALL Grants NMFS? MTSC? SMALL Grants?

4-14/99 C.K. Cheng - sea grass authority

Doug - "Refreshing"

1230pm close Lunch at Hotel, JOHN-MTSC + Dr. SO

2pm limousine Bus to National Palace Museum, TAIPEI
 AQUARIUM. Dinner at Military Hotel/Restaurant next to Howard Plaza.
 Development BRONZE SEAPINE VESSEL - 10 ancestors.

Top of week TO off course

~~Wang~~ - fits to Liew/Chan TO

Translate Neurology Manual

Send Workshop Report need email address

4-14-99

Night Market Joy, Cheng, Chan, Liew, Jane (Chinese student)

Tape 35mm AF/M

Wednesday

4/15 Phoned MARY TANASKO Science & Technology Re 2784-2395 works

4-15-99

8AM Breakfast with Dr. SHI of KEELUNG Island

Thursday

Rebecca Wang

daughter CHEE15

5F No 34 Hsin Ming St.

Tamsui > 51

Taipei Taiwan

王惠玲

Rebecca

Ted "ape face" Univ. Calif Berkeley 12/98 worked in Hawaii on Salamanders

台北縣淡水鎮新瓦街 34號5F 台北 台灣

Thursday

4/15 Depart

#1 9:15 am Amy Wang for CKS memorial, Train station to KEELUNG. Walked to Kuan Yin Temple - Best / Largest yet seen. Many photos w/ 3 cameras. purchase medallions

#2

Tan-Shui FU-YU Temple - narrow street, 2 poster photos. Lunch w/ Amy's sister and daughter at "barby" on waterfront.

#3 Temple

LUNGSHAN Temple of MANKA, TAIPEI. Many Gods (Tapi driver said "TOO MANY GODS", Brochure MANY photos)

2:45 PM

Walked down Snake Alley. Snakes, Turtles. all covered

Back to Hotel. Then TAXI to Formosa Hotel for Fritter Buffet with students and Cheng & wife and Joffard Louise.

Lungshan Temple (A6). This temple, originally constructed in 1740, honors the deities Matsu, Goddess of the Sea, and Kuan Yin, Goddess of Mercy. Boasts fine column carvings and intricate roof work

2 TYPES
God Temple
Ghost Temple

"Send of war"
TVG of
HUI-LING
JERRY



MA-TSU
Seeing heavy

Friday Departed for Kuantu
4/16/99 ~ 8:15 AM TAXI

TO CKS Train station. TO Kuantu. walked to right through town
Small temple photos. Food Turtle Baths. ~ 9:30 AM TO 1 PM Kuantu Temple.
Many photos - Olympus print 35mm EOS slides

2:45 PM Return to Howard Plaza Hotel. Met Jerry & Hui-Ling.
Coffee in restaurant - talked for ~ 2 hours. Lineaffle of the buff.
Told about 1,000,000 people walking procession with
image of MA-TSU. People want to take her for visit
to Fujian, but ROC won't allow direct flights. They
will send information.

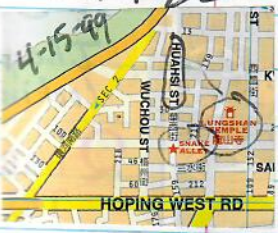
6 PM Crosswalk meeting of Angela Wang - light turned red in
middle isle. See page 115. The New Millennium?
MA-TSU? WAW The Internet?

Hotel checkout 6:35 pm. Photo note left.

Bus to CKS depart ~ 6:45 PM.

"The Spirit of the Sea Turtle Women
with the Reverence of MA-TSU" 4/16/99 8:59 PM
...TRADITION OF...

CKS Friday
C09016 Depart ~ 10 PM 4/16, ARRIVE 4/16 Honolulu 12:45 PM,
EVA 22



Asean could draft Spratlys code
5-99 UAF GULF NEWS
Manila. Foreign Affairs Undersecretary Lauro Baja Jr. said said
members of the Association of Southeast Asian Nations (Asean)
have already agreed in principle to having a regional code of con-
duct for the Spratlys chain of islands. He said that Chinese
Assistant Foreign Minister Wang Yi who attended the Asean-
China senior officials' meeting in Kunming, China, last month
had said they would give an "earnest consideration" to having
one. Some Filipino diplomats were having second thoughts
about presenting a draft code of conduct during the meeting of
senior officials of Asean in Singapore next week. They said the
limitations they were hoping for in that regional arrangement
would likely be watered down to generalities to the advantage of
China.
- GN

大甲

da far ✓

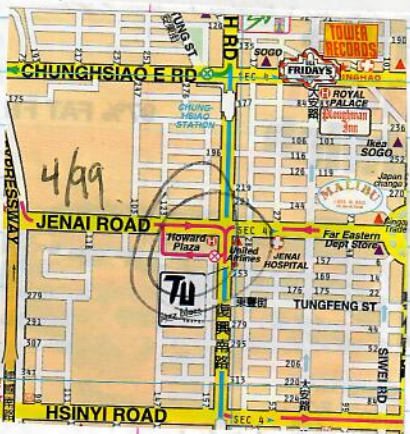
By Hui-Ling Lin & Jerry
4/16/99 Holocaust Plaza
TAI-CHUNG

town in middle

繞境

MA-TSU 4/15/99 letter
several areas Taiwan

go around



4/15/99 Amy, Rebecca
CHRISTIE
Luxury Transhi
蒙古烤肉餐廳
營業時間: 11:30~21:30
假日午茶: 14:30~16:30
電話: 2805-3308~9
訂桌專線: 2805-1138
台北縣淡水鎮中正路一段3號



Chungshi
忠孝節

Chungshiao fu
CHUNGHSIAO FUHSIANG

Lugang

Located about 21 kilometers (13 miles) from Taichung, Lugang is one of the best preserved traditional Taiwanese towns. The descendents of the hundreds of craftsmen and artisans, hired to construct the magnificent homes and temples during Lugang's heyday (1750~1850), have turned the town into a center for arts and handicrafts. Among Lugang's 60 officially registered temples are the magnificent Matsu and Lungshan temples (both designated first class historical sites). The Lugang Folk Arts Museum houses a fascinating collection of Ming and Ching dynasty artifacts.

Date: Mon, 19 Apr 1999 06:09:28 +0800
From: Amy Wang <hcw43135@ms14.hinet.net>
To: "George H. Balazs" <gbalazs@honolab.nmfs.hawaii.edu>
Subject: Ma-Tsu

On the April 17, Ma-Tsu in Tai-Chung (central of Taiwan) start to around some places for 8 days. I'm not sure why they did that action but I think this show the power of Ma-Tsu to protect people. Yes, they have this action for once a year. Many people walk with her to show their believe. The day they decided to have this action on the day of sea turtles festival. They throw

5:30 AM
 4/15/99 INSTRUCTION TO
 GO TO
 Italian
 buffet
 at FORMOSA
 HOTEL

日日
 地下三樓
 華利餐廳

6:30 開席

福華大飯店
 Howard Plaza Hotel
 台北市仁愛路三段160號
 160 Jen Ai Road, Sec. 3, Taipei
 Taiwan, Republic of CHINA
 Tel: (02)2700-2323 Fax: 27000729
 Tlx: 10702 HOPLATEL TAIPEI

THE ASSOCIATE OF THE KEO PLAZA HOTEL, TOKYO, JAPAN
 76/3-1000x50

Date: Mon, 19 Apr 1999 06:21:09 +0800
 From: Amy Wang <hcw43135@ms14.hinet.net>
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: Web sites

Dear George:
 I found one web-site for you: www.chinatimes.com.tw/english/english.htm
 Maybe you will see some code on the top but that's fine. The web site show
 the most importnat
 news in Taiwan, include politics, bussiness and society. In the social
 news, you can find the news in Ma-tsu recently.

Date: Tue, 27 Apr 1999 11:04:50 +0800 (CST)
 From: Amy Wang <hcw43135@ms14.hinet.net>
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: Re: Pictures in the mail

The other thing is the Ma-Tsu in Peng-Hu. The temple also had the
 same ceremony like Taiwan but they used 61 boats to the ocean for 4 days
 to cerebrate her birthday. And they also said she can protect all the
 fishman. My boyfriend saw the ceremony in Peng-Hu on last Saturday.

Date: Tue, 04 May 1999 09:12:41 +0800
 From: Jerry Yu <jbyu@cihc.com.tw>
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: Re: Home Mailing Address

Hi, George:

I just came back Taiwan from China. Hui-Lin will send you the article
 about Ma-Tsu.

My home mailing address:
 9F, 166, Chung-Hsiao East Rd. Sec. 3
 Taipei, Taiwan, R.O.C.
 Meanwhile, we will send our baby's picture soon.

Have a good day!!

MAY 25, 99

Dear George:

I was out of town for giving lectures in the other town for two days,
 and just step in my office.
 Well, I did not received the fax you sent to me. Strangly enough,
 someone else also sent me the fax in the same day as you were, both materials
 however did not reach my desk. Please fax the stuff again. My fax number is
 886-2-24628974, or 886-2-24633152.
 About the tissue samples, I'll mail the sample to you. The samples were
 soaked in the dry salt in a small double-sealed plastic bag. The tissues were
 separated into several big bag according to the location of the turtles were
 found. A piece of paper was inserted into each big bag with the size of turtle,
 location where they were found, type of by-catchment, and some fate of the
 turtles. I think this should be enough for you and Peter. Yes, I do think that
 you should double-check the samples.
 I did received your article. However, because my system do not read
 wordperfect, I cannot read the article at all. Please fax to me or send it
 vie. Microsoft Words.
 The mainframe system was down last Friday, thus I am having difficult
 to reply your message.
 Right now, I am busy on correcting the thesis draft of my students.
 Boy, most of the time, I am sitting on my desk to correct their grammar, not
 the science. I have to ask them to revise at least four times before it is
 readable. Well, I can still remember the time I was trying to graduate...
 everybody complain about their advisor... Now, I am sitting in that "musical
 chair".

April 14, 1999

TAIPEI CITY, TAIWAN



way through every element of Chinese life. The new Shanghai stock exchange is built in the shape of a hollowed square to help trap positive energy, a nod to the ancient geomantic rituals of feng shui. And members of China's new middle class are embracing both state-of-the-art technology to transform their economy and 5,000-year-old superstitions to support their lives. "It turns out that the majority of businesspeople in China believe in the god of fortune," sighs Fu, the Marxist leader. "And one-sixth of the people believe in the existence of gods or demons. One-twelfth believe they have seen ghosts or demons." He sighs again. "Is it any wonder that 80% of Chinese visit fortune-tellers?"

In many ways, the religiosity that has been reasserting itself in China may simply be delayed evolution. Very similar melting pots of prosperity, superstition and pious philosophy have emerged and thrived in Chinese communities uninterrupted by Mao's revolutions—in Taiwan, Singapore, Hong Kong and Southeast Asia. China of old had three competing and complementary religious traditions: Confucianism, Taoism and Buddhism. While the religions were often at odds with one another—Confucianism, for instance, is built on a base of worldly order and ancestor worship that's far different from Taoism's mystical beliefs—they have, over a long history, fused together. They continued to do so outside China and are doing it again within China. Sociologists call what has emerged a syncretic faith, resembling more than anything else a pointillist painting in which every individual's beliefs are shaped and colored by specks of each tradition—and, at the close of the 20th century, by the color of money.

It may be an explosive composition. The country's history is filled with terrible uprisings inspired by newfangled religions—among the most recent and cataclysmic, the Christian-tinged Taiping Heavenly Kingdom from 1851 to 1864 and the mystical, Kung Fu-like Boxer Rebellion at the turn of the century. Even Mao's militant idealism can be seen in this light. But China's long history is also filled with moments when faith and pragmatism merged to create miracles. What scares China's leaders is that the very first miracle of the nation's new faith may be their disappearance. —With reporting by Mia Turner/Beijing and Edward Barnes/New York

Outside the mainstream religions—and outside the supervision of the government—are hundreds of independent Chinese religions that gird China like a rural electric network, illuminating lives house by house. In Fujian province each spring, tens of thousands of the faithful parade from town to town in religious "long marches" celebrating localized Taoist gods. Tai Shan, a holy mountain south of Beijing, is one of the country's most popular tourist sites—especially among would-be grandmothers, who trudge to the top, drape red strings over trees and then return home to wait for the grandson this ritual is supposed to guarantee. The searching need for faith is written on the faces of the Chinese who pace each day, by the thousands, through the "Confucian forest" in Qufu. There, among the 600-year-old birch trees, are buried 77 generations of Confucius' descendants. Their graves, trashed and looted during the Cultural Revolution, have been rebuilt and remade in this decade. During the Cultural Revolution, in the 1960s, angry adolescent Red Guards dug up Confucius' grave, the most sacred spot in the forest, to show the Chinese that it was empty, that their Confucian faith was misplaced. But today the shrine is one of the holiest in China. Confucius may not inhabit the crypt, but he still haunts the nation's heart.

Religious vacations may sound unusual, particularly for a communist country, but some form of faith or superstition weaves its

66

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