

DRIVER'S ED.
raise Mrs. Mizoguchi 396-8336
High School 395-7511

SD 13
shark attack
4/16/94
Need San Diego
Newspaper

Laurie McKeown ~~and family~~ need
"KIKO" - FUNAWU MAILING ADDRESS UCU Jeanette

Book "OUR LAST CHANCE" 1992 BILL & SIMONE BUTLER
COPY MADE
any - Tour Bus - need to stop them from using sand roads.

Loggerheads 0 [NAGOYA] Shaved But greens
also ~ 30N Green turtle nests, are often
4/20/94 Meeting YAKU-Shima Kogoshima Prefecture
ISLAND
Uchida has greens - coastal though from JAPAN.

According to Uchida ESTIMATES 1993
70 greens - adults -
200-300 loggerheads - adults -

Report that Ms. Hareko went to Indonesia & St. Vincent
(Now unemployed?)
Belko + MITI 2 years spent = 100 million ¥ Doi's Company

My Room = 503 tel EXT 400

"CELEONIAN INSTITUTE" Dr. Uchida
YOSHIDA (Secretary)

4/20 Wed. Night - Dinner w/ Kobayashi & Harou at local nearby Chinese restaurant.

Other possibly cheaper hotels in Nagoya - Mount Blane Hotel
Nagoyako (Port) - saw ^{side} HOTEL SIDE
Check w/ JTB

TWO COGGER HEADS ^{PREVIOUSLY BROUGHT}
 FROM U.S. EMBASSY TO AQUARIUM
 4/21/94 Thurs. Removed from -20°C freeze 4/20/94 AM
 Soaked in water to thaw. photos wrapped in budap.

BOTH NECROPSIES CONDUCTED IN OPERATING ROOM on adjustable stainless steel table. VIDEO BY YUKA ISHIDA.
 TILTS in w/brain.

SAMPLES AVAILABLE FOR

- 1.) ORGANOCHLORINE/heavy M
- 2.) FATTY ACIDS
- 3.) FOOD SOURCES
- 4.) mDNA
- 5.) HISTOLOGY
- 6.) AGING (AGE ESTIMATE)
- 7.) FOULING ORGANISM

RYUJIN-MARK 27
 DJH-003J
 09-28-90
 RETR. 3802N, 170-23E

4/21/94

NECROPSIES: Yoshihiko Kanou ♂ vet
 Yuka Ishida ♀ vet
 MR. KOBAYASHI
 Masato Fujiwara (helper) ♂

PORT OF NAGOYA AQUARIUM - Necropsy

SEA TURTLE NECROPSY/TUMOR FORM

By G.H. BAUS

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REMAINS OF TURTLE - Saved by DR. UCHIDA

NECROPSY DATE: 4/21/94 Thursday STRANDING ID, DATE AND LOCATION:

DJH-003T 9-28-90 RYUJIN MARU 27
 PERSON RECORDING DATA: RETR. 38°02'N; 170°23'E

DESCRIPTIVE REMARKS: NO ALGAE OR OTHER FOULING ORGANISMS ON SKIN OR SHELL EXCEPT:
 2 small buracles in carapace
 5 " " " " plastron
 2 " " " " skin ventral
 IN 10% formalin w/ small crab found on turtle

Dorsal & Ventral PHOTOS WITH ID TAG
 - NO PLASTIC DEBRIS NOTED IN INTESTINAL CONTENTS, INTESTINES 25% ONLY FULL.

ALL MEASUREMENTS (CARAPACE) +3.8

FLIPPER TAGS: NONE SEX: MALE, FEMALE OR UNDETERMINED (M)

STRAIGHT CARAPACE-LENGTH: 43.6 WIDTH: 36.9cm

NOTCH LENGTH: 42.9cm +3.8 = 46.7cm

CURVED CARAPACE LENGTH: 53.0cm WIDTH: 49.0cm

HEAD WIDTH: 6.2cm +3.8 = 10.0

TAIL LENGTH: T 4.6cm +3.8 = 8.4cm 1.7cm +3.8 = 5.5

RIGHT FRONT FLIPPER WIDTH: 4.9cm +3.8 = 8.7cm SAMPLES COLLECTED: 2-Humeri - Frozen.

PLASTRON LENGTH: 34.8cm +3.8 = 38.6cm STOMACH - Frozen.

WEIGHT: 18.8 kg INTESTINAL CONTENTS - Frozen.

1-FAT in Aluminum POIL - Frozen. HENET LIVER PECTORAL MUSCLE DMSO for DNA

PIECES OF ALL MAJOR ORGANS IN 10% FORMALIN. HEART, LUNG, LIVER, SPLEEN, KIDNEY, PECTORAL MUSCLE, INTESTINES, PANCREAS

SEA TURTLE NECROPSY/TUMOR FORM

NECROPSY DATE: 4/21/94 STRANDING ID, DATE AND LOCATION:

" DJH-006T, RYUTIN MARU #27
10-07-90 operation 13"

PERSON RECORDING DATA:

DESCRIPTIVE REMARKS:

1 - Chelonibia-like barnacle - Carapace
 + 3-4 small Barnacles in skin/ Abdominal 3.5 cm & 5.0 cm FAT THICK
 Plastron/Carapace - 10% formalin. 2.0 cm under carapace
 Dorsal & ventral photos w/ tag on turtle - head to left.
 photos of body cavity / Thick green/yellowish fat.
 Patches of algae on carapace. Elsewhere clean of
 fouling growth.

FLIPPER
TAGS:

NONE

SEX: MALE, FEMALE OR
UNDETERMINED

F

Immature
ovaries
- Fold to oviduct

STRAIGHT CARAPACE-LENGTH:

73.0 cm

WIDTH:

60.0 cm

NOTCH LENGTH:

71.2 cm

CURVED CARAPACE LENGTH:

78.0 cm

WIDTH:

73.5 cm

HEAD WIDTH:

14.0 cm

TAIL LENGTH: T

13.8 cm

C

11.3 cm

RIGHT FRONT FLIPPER WIDTH:

~~14.4 cm~~

SAMPLES COLLECTED:

PLASTRON LENGTH:

58.1

~~8.2 cm~~2 HUMERI - FROZEN
STOMACH (MAINLY FLUID?) - FROZEN

WEIGHT:

62.4 kg

FAT & LIVER - FROZEN IN AL. FOIL
FAT PACKED INTO GLASS VIAL.Histology (10% formalin) spleen, liver, heart (friable), intestine, lung,
(kidney? uncertain)

Intestines completely opened. ESTIMATE < 25% full.
 SMALL PIECES OF BLUE & WHITE PAPER and polyethylene film.
 FRAGMENT(S) OF GOOSENECK BARNACLES, Bitten wood (BAMBOO);
 A BRANCHED ALGAE (?) - SAMPLE TAKEN TO HAWAII.

4/21/94 1:30pm - 5:30pm Necropsy of largest
Thursday drift net-caught loggerhead (73.0 cm SCL)
perhaps largest pelagic ever available
for scientific study.

LOCATION = _____
nearest land = _____ (Island)
= _____ (Large land mass)

The amount of body fat was absolutely remarkable.

4/21~~94~~ Thursday Dinner Alone at Red Lobster.

Low & high rolling ball game - portrays
challenges a ^{sea} green turtle encounters to
grow to adulthood -
ANTS, Flies, men/dogs, birds, crabs, large
waves, birds, trawls, set nets, Barasuda,
Mahi, Groupers, sharks, killer whales
Car lights, hurricane, Beach cement revetments.

Records of Loggerhead Turtles Salvaged from Japanese Large-Mesh Driftnet Fishery
and Examined by G. Balazs at Nagoya Aquarium
(data from JAW's PARADOX database 4 May 94)

Item	Turtle #1	Turtle #2
Obs_Nat	A	American
Flag	J	Japan
Type	L	L
Monitor	M	M
Lic No	93	93
Haul Day	28	8
Haul Month	9	10
Haul Year	90	90
Lat_Deg	38	38
Lat_Min	10	10
Lon_Deg	170	160
Lon_Min	38	26
Lon_Hem	E	E
SST (C)	23.5	24.2
Operation	7	13
Section	11	4
Spec_Ini	902	902
Spec_Fnl	902	902
ID_Method	Photos	Photos
Status	DK	DK ^{checked}
Cond	D	D
Disp	W	W
CCL_cm	52	78
Measure	M	M
Tag#1	.	.
Tag#2	.	.
Spec#	DJH003T	DJH006T
Observer	Hartman	Hartman
Vessel	Ryujin Maru 27	Ryujin Maru 27



4/22/94
FRIDAY

Tank w/ beach

500,000
Cites to
according
Kobayashi

Video "Reproductive Ecology of Sea Turtles"
Loggerheads - nesting, nesting
Beach problem in Japan
Survival Rate of Turtle Hatchlings
TEXT only

~ 1.5 x 2' screen

I took photos of adult ♂ speckled greens

from Indonesia, + Kobayashi feeding

~ 20 turtles (in order) cabbage heads, squid,
cut fish, cucumbers, shrimp. None of
the 'loggerheads' or greens in here
appear to be too fat (based on folds of
flesh in pelvic region). Report 7 adult ♀

2 adult male loggerhead (+ 2 ♂ 2 ♀ adults

greens (speckled) Indonesian

"Secret of the Small Turtles" (Wall Aquarium ^{3 Caretta})

"Stand alone w/ 15-20cm dark (thick) Caretta - pelagic display

"Round about Tank of Sea Turtles" - adults - beach

"TURTLE STAMPS" 3 panels, 2 of which Sea turtles ^{stamps} [27] [42]

"World's Largest Fossil of Sea Turtle" Archelon ischyros S. Dakota U.S.A. 4.6 M
11,300 lbs

"ORIGIN OF BIG MIGRATION OF SEA TURTLES"
Wall display w/ video (Sea Floor Spreading - Ascension)

END of Subway - ^{photo} Stainless Sea turtle Motif Model;

Red artistic Sea Turtle painting on wall; Large poster

color print of greens underwater. Jetty entrance ^{Sturtles}

+ Mosaic in street

"Take out Tortoise"

"Aribodda Restaurant"

- Gift Shop - numerous sea turtle motif items

109-11 same
101-108
Hwasan of
#re
#re
#re

BLOOD SAMPLES TAKEN FOR mtDNA

4/22/94 FRIDAY

SL = 55.8 cm

see table on page 52 / 21

1 Hawkbill CCL = 59.5
AMAMI ISLAND (IA & IB) 2 vials

109-11 same
TAGs 101-108
Hiwasa or Hamamatsu
101-105

2. KAGOSHIMA Green Turtle 2 vials
CCL = 48.5 SCL = 46.6 (2A & 2B)

3. Loggerhead (JAPAN) 1 vial
New tag 101 (21-25) CCL = 54.0
SCL = 60.0
Hiwasa OR S. of Nagoya

4. Loggerhead CCL = 56.0 1 vial
Hiwasa or S. Nagoya SCL = 50.9 (vial)
new tag 102 (L1-25)

#5. " " CCL = 54.9 1 vial
Caracave plastron SCL 49.2
New tag 104 (L1-25)

#6. Loggerhead 1 vial
new TAG - 105 CCL - 60.5
SCL - 54.6

#7. Loggerhead CCL - 60.2 1 vial
TAG 106 SCL - 53.7

#8. Loggerhead CCL 55.5 1 vial
TAG 103 SCL 50.4

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KAZUO KUREHA

Supervising
AQUARIST

Atsumi Hanjo
Peninsula

Tour AKABANE

NESTING
SITE S. OF NAGOYA

YUICHIRO AKUNE

Chief Veterinarian ↓

YUKA Ishida

3-20-1 Chayamadai

Sakai City Osaka Japan

Major Nesting
by Loggerhead
South of Nagoya

4/23/94 - Meeting w/ Dr. Uchida at 10 AM to review
Saturday results - outcome. ^{#18} DNA blood & DNA (6)
Given to him in 2 plastic food containers.
He will inform CITES JAPAN Committee of intercal sample
use. I indicated joint authorship. We discussed 1) invite
to DC Meeting looking Mitigation 2) Visit Aquariums
around Japan to DNA sample

FL90 ^{7pm} Nagoya to Honolulu ^{4/23/94} 6 hours 40 minutes

Photos of partial Albino Loggerhead 11am

Needs:

- Ishida - ^{TAPS} photoprint; MTN
- Kanou
- Kobayashi
- Travel Request - Puerto Vallarta
- "eta turtle" ^{Japanturtles} GOOD Luck?

Map Atlas ^{Formal} Outline accomplishments + develop Sample Mission + ^{Ad} Continue longie dustie Sample

- Sample list - blood (type)
- ARBO3 Series - Japan?
- DNA blood to Uchida

MTN Aquarium Quote Taylor
Kings Chelonia Museum
Daily school kids learn sea turtle cons.

- ELan Flash rig ML-3 ^{Aquatic Pet.}
- D. Russell - send alga + ^{reprint}

PRINT #73

PRINT #377

cop. 0

#

DATA INTO = MAST cell = YUKA

~~MAST~~ Blood + Biochemistry articles + VIT Hybrid papers 23

4/22/94 Friday Started about 1pm and bled turtles until ~7pm.
#9 Dinner w/ Kobayashi, Kanou, Ishida.
Loggerhead 1 vial

2 years 6m
CCL 53.0
SCL 47.4

#10 NOT taken 0 vial
~~3 years 6 months~~

#11 Loggerhead new tag 109
CCL - 58.2
SCL - 53.4 1 vial

#12 Loggerhead TAG 110
CCL = 63.0 1 vial
SCL = 57.2

#13 " TAG 111
CCL - 53.8 1 vial
SCL - 50.3

#14 NOT TAG Loggerhead CCL = 17.5 #25 needle
#73 PRINT No TAG close Hawaii Oct 1, 1993 SCL 15.8 1 vial 16mm long
#37 PRINT

#15 close ARA BANI Oct 5, 1993
"Change of conditions" [ELEVATOR] CCL = 19.3 1 vial
SCL = NOT TAKEN

#16 display HAMAJIMA Town (male) MIE Pref. 7/19/91 1 vial
CCL = 97cm

#17 KAGOSHIMA Pref. (male) 1 vial
Measurement NOT taken - (smaller than above turtle)
9/12/93

G. H. BALAZS



GEORGE H. BALAZS

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APRIL 94 - MARCH 95