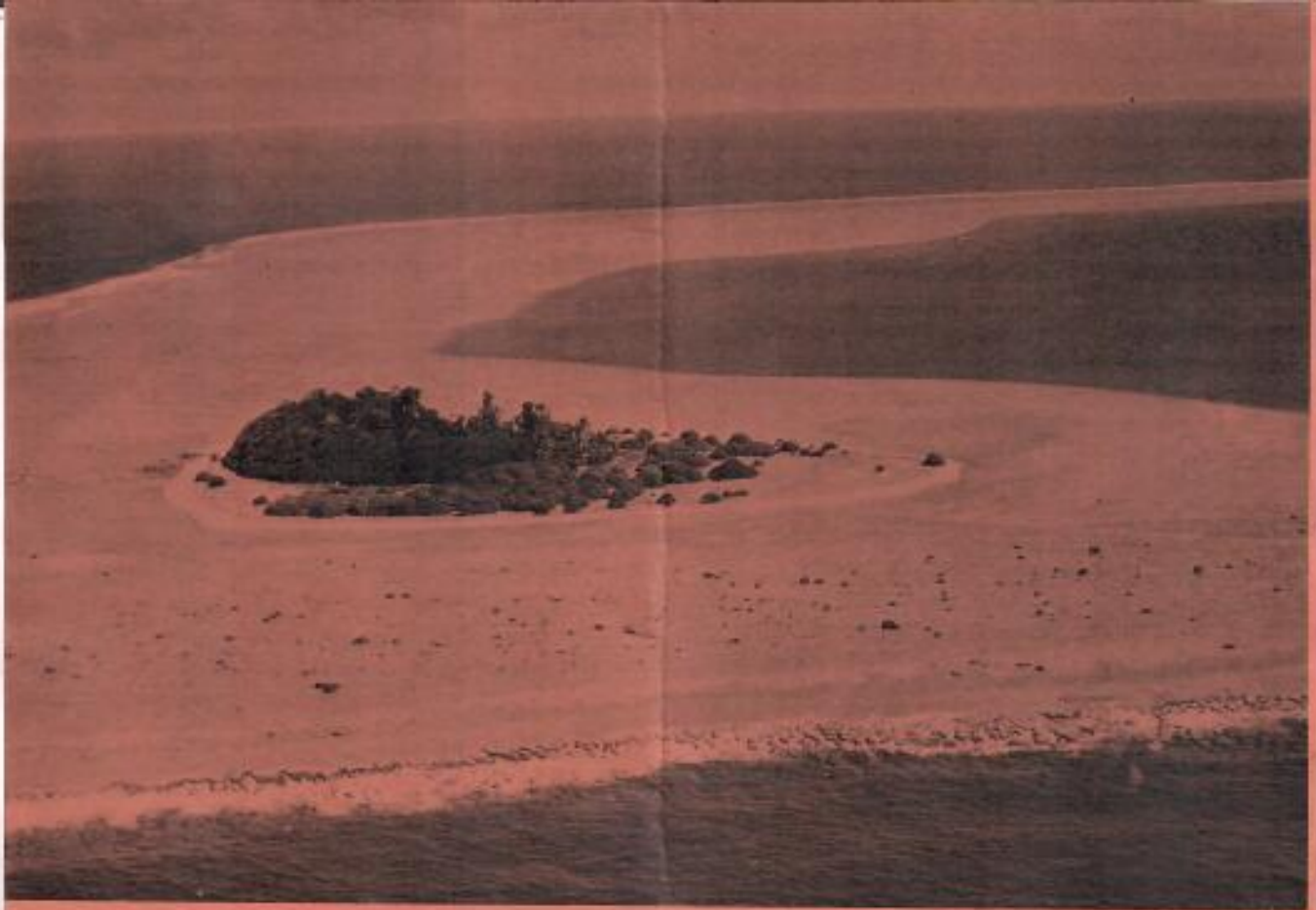


Rose
Atoll
National
Wildlife Refuge
AMERICAN SAMOA



ROSE ATOLL-MOTU O MANU

FA'APUPULAGA:

Rose Atoll, ose motu tu'ufua lea ua fa'apitua mo manu i Amerika Samoa o lo'o pulea fa'atasia lea e vaega o I'a ma Manu i Amerika male Malo o Amerika Samoa. O le motu atoa ua fa'aigoaina o le Rose Atoll National Wildlife Refuge, ma e aofia ai motu e lua (Rose ma Sand) e aupito i sasa'e o le atu motu Samoa. O le aofaiga atoa o le lauelele e tusa male 20 eka (Rose 18, Sand 2) ae tusa male 1,600 eka le tele o le a'au male sami tuloto i totonu lemu o le motu. E tusa male 37,453 eka o le lauelele i lalo ifo o le sami e fa'ata'ali'oli'o i le Rose Atoll o lo'o pulea fa'atasia ma le vaega o le National Marine Fisheries Services (ose vaega o le malo o Amerika e pulea mea tau i'a o le sami).

O le vaega lea o I'a ma Manu i Amerika (U.S. Fish and Wildlife Service) e latou te va'ava'ai ia ni laufanua e 400 ua tu'u esea fa'apitua lava mo manu ma meaola ese'ese, ma e tusa male 32 miliona eka le aofaiga atoa o ia laufanua. O laufanua uma faapea i le Pasefika ua fa'apitua lava e fai ma fa'amoega, laufanua malolo ma a'ai aimanufelelei uma o le sami, manu felelei o le lauelele, laumei, ma manu i le sami. Rose Atoll Refuge ose laufanua uiga ese lea aua ose tasi lea o laufanua pito itiiti i le lalolagi. Toeititi lava a fa'atafafa lelei le fausaga o lea motu (1-1/4 x 1-7/8 maila). E tusa male 78 maila i le itu i sasa'e o le motu o Ta'u, ae tusa male 150 maila i le itu i sasa'e o Pago Pago.

Na'o le fitu ia ituaiga la'au o lo'o ola ai nei i lea motu. O ia la'au o le pu'avai (*Pisonia grandis*),

"niu" (*Cocoa nucifera*), tausuni (*Messier schmidia argantae*), "nuna" (*Boerhavia diffusa*), tamole (*Portulaca lutea*), "ouru" (*Suriara maritima*) & "fue" (*Ipomea sp.*). E leai ni la'au o ola i le motu o Sand, ua na'o le oneone.

TALA TU'UFA'ASOLO:

Rose Atoll sa muamua lava ona afea e se ali'i e suaafa ia Louis de Freycenet ia Oketopa 21, 1819 i sana malaga sa fa'ata'amilo i le lalolagi i ona va'a o le L'URANIE male LA PHYSICIENE. Sa ia fa'aigoaina lea motu o Rose Island i le igoa ose tamaita'i sa pelcina i lona loto. E ui lava e le'i tu-vae lea ali'i i le motu, ae sa tau lona va'a e tusa male 1-1/2 maila mai le motu. O se malaga muamua lava ona tu-vae i le motu sa ta'ita'ia lea ese ali'i Amerika o Commodore Charles Wilkes i lona va'a o le VINCENNES ia Oketopa 7, 1839. O niu muamua lava i le motu sa totoina lea e B.F. Tilley, le Kovana muamua o Amerika Samoa ia Iulai 12, 1920 sa fausia ai se ma'a fa'amanatu i le motu e Commender W.J. Terhune, Kovana o Amerika Samoa i lea vaitaimi. I ni isi fo'i malaga muamua sa ave'a ai fo'i ni isumu Polinisia i le motu ma ua o'o ai ina fa'ateleina ai ia isumu i le motu. Taluai ona o le manumanu o tagata Amerika Samoa ina ia teuteuina lea motu, sa fa'atulafono ina ai loa i le tausage 1973 ia ave'a ia Rose Atoll ma laufanua fa'asaina mai tagata vagaga ai lava na'o manu ma meaola ese'ese.

MANU & MEAOLA ESE'ESE:

O lea motu e aofia ai le a'au fa'atafafa ua fausia i amu piniki ma e iai se ava e tusa male 100 futu le lautele ma le tuloto i totonu lemu e tusa male 6 ile 50 futu lona loloto ae 2,000 iata le lautele. Ua ave'a la'au e iai le pu'avai e fai ma fa'amoega o manu felelei. O manu felelei ia e iai le ta'i'o, tava'eula, fua'o, atafa, matu'u ma le tuli. E iai fo'i ni isi manu felelei mai i isi atunu'u ua mafai ona afea i le motu e fai ma laufanua e malolo ai ona toe faimalaga atu lea i isi atu motu. E tele atu male 100 ia ituaiga i'a ese'ese o lo'o maua ai foi le sami fa'ata'amilo i le motu. O lo'o maua ai fo'i ni ituaiga laumei se lua o lo'o tu'ufua ai fo'i i le motu.

PULEGA O LE MOTU:

Ua iai nei ni tulafono tusitusia e puipui ai ia mea ola ma i'a o le Rose Atoll. Ua matua fa'asaina lava se tagata ona fa'aoga ina se faga, mailei po'o se isi lava upega e pu'e ina ai pe fasi pe ina ai ni manufelelei, po'o se isi lava meaola, ua fa'asaina fo'i ona aveeseina ni fua o manu po'o laumei mai le motu, vagana ai ua maua mai le fa'atagana mai le Malo o Amerika Samoa male pulea o Laualeele faasaina (Refuge Manager). Ua fa'asaina fo'i ni la'au po'o ni manu ona aveina i luga o le motu. O nisi manu po'o la'au ese o le a aveina i luga o le motu e mafai ona fai lea ma fili i meaola o lo'o ola ai nei i le motu.

O leni lauele'ele ua tu'uese'a e fai ma laufanua e puipuia ai le ola sa'o loto o manu ma la'au e aunoa ma se fa'afavelave mai tagata. O se fa'atagana e tuvae ai i le motu e mafai lea ona maua mai ile malo o Amerika Samoa ma le Ofisa o le U.S. Fish and Wildlife Services.

Mo ni isi fa'amatalaga atili e mafai ona maua mai lea i le ofisa o Marine Resources, Malo o Amerika Samoa, Pago Pago, Amerika Samoa 96799, po'o le ofisa ole Refuge Manager, Hawaii and Pacific Islands National Wildlife Refuges, U.S. Fish and Wildlife Services, Federal Building, Room 5302, 300 Ala Moana Boulevard, Honolulu, Oahu, Hawaii 96813.





South Pacific Ocean

TUTUILA ISLAND
PAGO PAGO HARBOR

OLOSEGA ISLAND

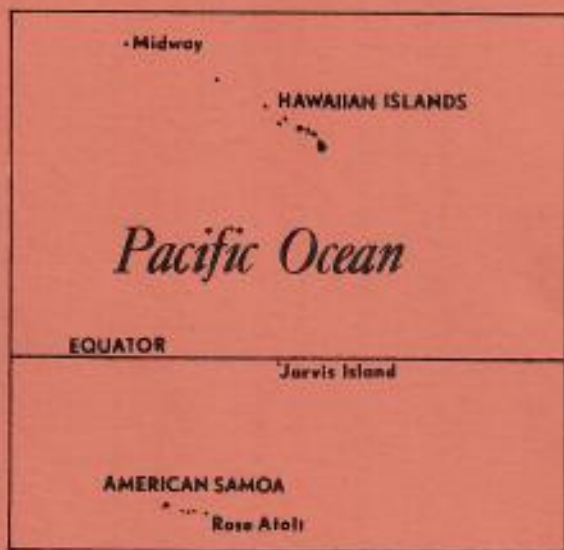
OFU ISLAND
TAU ISLAND

Manua Islands

AMERICAN SAMOA

ROSE ATOLL

Rose Atoll
NWR



**UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE**

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Territories under U.S. administration.



20 OCT 82 Rick picked us up ~ 9 am.
 SATURDAY Proceeded to shop at various
 stores. I bought 2-1 gal
 stove fuel cans (#7) and
 fuel \$9.00. He lunch at
 Kava Bowling alley #8.

LIBRARY OF
 GEORGE H. BALAZS

Saw several pieces of turtle
 jewelry at South Pacific Traders
 department store. Nothing at
 Burns Philip.
 Rick reports that Soyers ^{Hardware} has
 lots of jewelry, but possibly plastic.
 Didnt eat dinner - went to
 bed ~ 9:30 pm

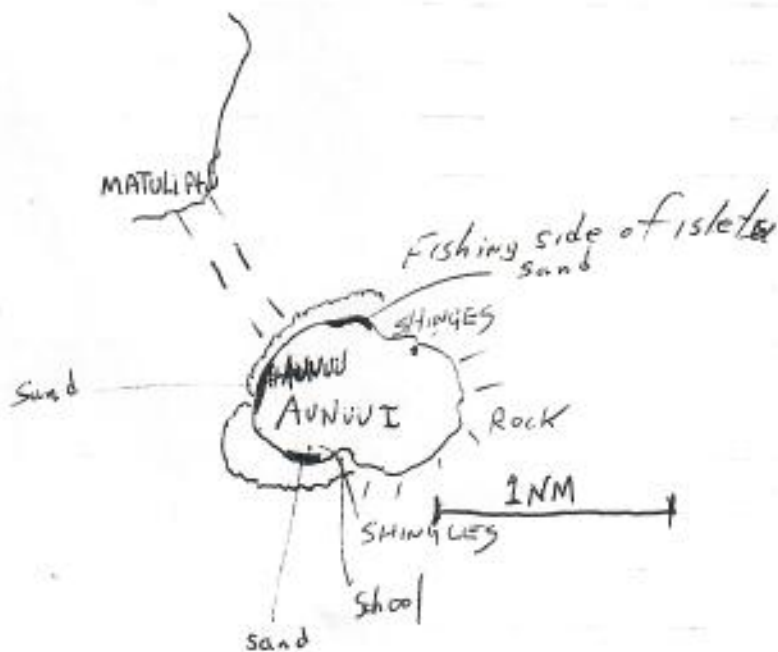
30 Oct 82 Up ~ 7:30 am - "Pacific
 SUNDAY Princess" ^{LOVE BOAT} cruise ship came in
 to port. Went to Mass
 at church right in town.
 Pagolago Saw William at OAK. Found
 puppy in market. Telephoned Lin & Christian.
 MET Rick & Sunny at ~ 2:30 pm
 and we all drove to Aunu'u
 harbor crossing. Saw longliner wreck
 on the beach right next to the
 road.

Pagolago
 DRUG STORE -
 \$5.95 earrings
 on folded
 writing
 paper

Paid Jack ERLE \$20 for
 round trip for all of us to
 Aunu'u. Departed ~ 3:30 pm -
 10-15 minute ride. Everyone

[Mother is
 JANE ERLE -
 postmaster]

works at college (Cord Grant). Has a degree 47.
 from Ag. at UH.
 was in church - he was cooking food.
 Jack said that turtles are long
long eaten by villagers - considered
 bad omen ever since poisoning
 occurred. He has never seen decorative
 shells in village houses. Not
 originally from islet, but his wife
 is. She was born in 1952 and was
 6 years old ¹⁹⁵⁸ when poisoning occurred.
 She ate eggs, so didn't get sick.
 We walked along cement sidewalk
 of south shore to the ^{past dump} school. Some
 sand beach present here - 2 photos.



3 OCTOBER 82

Sunday

Lots of white coral shingles
line the coast in areas -
apparently these look like
sand I beach from a distance.
White sand is very fine.

Fringing reef flat appears to
require high tide for turtles
to get over.

Met Lilii Sele (transvestite
from Alaska and Las Vegas -
been away 12 years)

We visited her father's house
apparently also named

Box
1930
AUNUU

Lilii Sele for full Samoan
Tattoo. She recommended
reading a book about Samoa
by (a "Sherie Lipton" - tells
about poisoning. She (Lilii)

12/82 located
book at Hamille
on file -
"File's love
and speed
ahead"

said poisoning occurred
~18 years ago - her belly
swelled up big - and lots of
of sweat. I was in the
hospital. Her father told
her that the turtle was
caught near their house
when returning to the water
from laying eggs. A very
large turtle. I was
shown 3^{large} scutes of

a. humpbill - reported to have been from that turtle.

Later Jack asked his father-in-law, Mr. Foutan (Matai Molia) (who is blind) and was told that the entire village got sick - everyone sent to dispensary for shots. 4 children (aged 3-4) died. Symptoms were rumpiness of body and especially throat. The more you ate, the sicker you became. This was a large turtle, so everyone in village got some. Rick mentioned that event may have been described in old newspapers (Or I thought of PIMing). The people still eat eggs now, but only accidentally found when digging beach holes to burn trash. No one intentionally goes looking for them, reportedly. We saw 2-3 ^{humpback} whales off South shore. Jack said he thinks they just pass through (Sept-Oct) - don't pup. once one got caught on the reef and the people "used" (ate?) it. Estimate ~300 people on Avuvu now. Many children. New ACE harbors present. Village has microwave telephone. Electrical cable. Food for lunches brought

cemetery?

3 OCT 82 each week for school children.
 SUNDAY ~~again~~ We walked to the end
 of sand beach on the north
 shore. The sand only goes up
 to slightly inside vegetation zone
 where it meets humus/shingle
 hard mass unsuited for nesting.
 Returned to A.C.E. harbor - Jack told
 us that was the end of sand
 beach - only shingles thereafter.
 Returned to "mainland" side at
 ~ 6:15 pm - near sunset. Returned
 to Pago in Rick's jeep.
 Pork spare ribs for dinner at
 Rainmaker restaurant.

4 OCT 82 UP ~ 7 am - drank coffee in the
 MONDAY room and did some paper work.
 Met with Henry & Paul Pedro, etc
 at 9 am concerning expedition.
 Telephoned Terry Feistel, ⁶⁸⁸⁻⁷⁸⁸⁰ Visited
 the "library" to search for records of
 poisoning at Aunuu. Lady named
 Lala very helpful. Couldn't find
 any reference to a book by
 "Sherry Lipton"
 also - nothing in SPC. Their old
 newspapers didn't date back that
 far, but saw a scrapbook of

4 OCT 82 clippings
MONDAY

IDEAS - ① Check PIM's
② Samoa News office
③ Banner/Helfrich

SFC July 1959 page 31

Telephoned "Judy" at (633-1222 LBS Hospital) medical records at the hospital - records don't go back that far, but she will ask other staff members about the case.

Papa showed me a mimeo book:

"TALA O LE VAVAV

Samoa legends collected & translated
by Brother Herman
Published by the Association of the
Marist Brothers' old Boys
Pago Pago, American Samoa 1955 "

I had the following English sections
photocopied-

- ⑫ Legend of the Shark & the Turtle
- ④① Saumani faese and the Turtle
- ④⑥ Tigilau and his turtles
- ⑧② The Rooster & the Turtle

Departed Pago in Sausauivana
at ~ 2 pm. Passed right
by Aunuu school/beach.
Not all that rough, but I spent
a sea-sickly night. ROPETI (Robert)
is Rick's student. - recently returned
from the mainland.

11 OCT 82
MONDAYLIBRARY OF
GEORGE H. DALY

Paul Pedro mentioned that \$20,000 a year is now made available by the government to Wally Jennings for charters to Swains. SSN cost \$2,500 a trip - usually stay 4 days. Last Copra made at Swains was 1972. Paul picked it up. Conceivably, Tokelau boat could pick Copra up there.

There is a white sand beach all the way around Swains - very little rock like in Tokelau. When SSN went to Swains shortly after ^{from since 1970} arrival, Lt. Gov. found that there was no teacher there for the past 8 years. Thereafter, a teacher and supplies were sent up. Paul was born at Swains. Note gov. funds/boat being used for charters to a privately-owned island. Also, reference was to an airstrip being built there.

In June, Paul was at Swains and walked around the island about noon-time. He found tracks and a green turtle nesting under the bushes. He continued walking, but Frank Pedro, William's older brother, turned the turtle over, got villagers and ^{paopao} canoed it away. It was prepared "the same as in Tokelau". Eggs taken too. The shell ended up in Frank's house in Pogo. Paul has been

to Atafu several times, once with SSM,
to take injured/sick people to Apia.
Met "Danny", a Hawaiian now living
on Tau, Tatala, returned to pose on Paul's
boat. Motored along the South
coast of Tau - several photos taken.
Tau harbor had breaking white
waves all the way across the
entrance, so we couldn't enter. Motored
of to Ofu harbor. Sailed along the
South coast of Ofu-olosega.

Tied up in Ofu about 4 pm.
Walked to home of people William knows -
was related through marriage to his brother.
Ate and talked. Tried to find
telephone number of Olosega hotel. None
available. Later found that contractor
has rented whole hotel for duration
of harbor repair. William later
got a "public works" pick up and (called Dick)
we drove to the hotel. ^{8:30}pm Lady next
door offered to let us stay in "guest
house" fall in front. Finally, got to go
to sleep at about 9:00 pm.

OLOSEGA
HOSTS
LAAU ♂
NAME:
FAAUA ♀
FAIAI

12 OCT 82
TUESDAY

Woke up about 6 am. - Had
breakfast with the wife - Her family
lived in San Diego for 15 years - been
back for 5 years. This is Olosega Village. Harbor
site is Ofu Village. Celebration next to
hotel on Thurs. & Friday will be to confer

12 OCT 82

"^{high} title of talking chief" onto Milo.
 Notes 35-40+ buckets of ~~fish~~.
 Also they will bring in fish, lobster,
 clams (~~formed~~ clam shells seen in
 house - larger than what is at Rose).
 Clams are found on reef and deeper. ^{FRANVA}
 "plentiful". No scuba here. ^{wife}
 indicated that turtle would not be brought
 to the celebration. She hasn't seen
 any shells in village houses. Does not
 know of decorative jewelry being made.
 Told that the "Fai Fa Au" ^{one} (LMS minister)
 "got" a turtle 2 months ago - he
 knows how to butcher and prepare turtle.
 No ^{No Tradition of eating} (one in the village) is interested
 in turtle - like in some villages.
 Fish are sold sometimes from a
 boat ^(at sea) by the "1979" ^{one} bridge.
 Saw ^(white-tailed tropic) white terns by the vegetation-
 covered sheer cliffs, backing the
 village. Heard that they nest boobies
 and frigates. (FWS examined seabird usage
 the way they mentioned in Strategy Plan
 for TT?)
 MANOA Islands have "direct Microwave
~~free~~ telephone to Pago

- 2.) TV
- 3.) Good roads
- 4.) Electricity
- 5.) Harbors

12 OCT 82

TUESDAY

- 6.) "OLD AGE" Program (+free flights to Pago once a month)
 7.) New School buildings
 8.) Good drinking water
 9.) Air Service
 10.) Gov. vessel shipping
 11.) Health care

SPIA agent for Ofu - "Susuli"
 her father is a big man (chief) -

Money to Manua people comes from
 1.) Social Security 2.) Retirement in Service
 (Marines, etc) 3.) Money sent home by offspring, etc

9:30am

Drove in Gov. Truck to area, by Church
 in Ofu - stopped to talk to 4 old
 men pulling weeds in "OLD AGE" program.
 Sat and talked/interviewed them through
 William Pedro. Results of interviews
 as follows:

FOR
OFU

- NAMES: 1.) SAU (visited Rose - partly BACO)
 2.) LEOTA (Glasses - & full waste tattoo)
 originally met at his house
 upon our arrival in Ofu
 3.) TAEAO TUI - ATE AT HIS HOUSE SHORTLY
 AFTER ARRIVAL - SHOWED
 ME TORTOISESHELL CURB
 BROUGHT FROM HIS HOME
 4.) MALIE TUFA - ORIGINALLY FROM
 PALOA VILLAGE ON
 TUTU'ILA, WHERE
 TURTLES NEST.

12 OCT 82 PHOTOS taken of all four men, with
TUB. promise to send them prints.

Also, test questions
to confirm reliability.

As with all interviews, William
started off by telling them in
Samoan (that I am a "turtle
scientist" that studies and tags
turtles at various places in the
Pacific; we have been to Nuu
Nuu tagging turtles and want
to alert people in Manua that
if they find a tag to send
(should have said telephone) office
of Marine Resources. "70 ethly
migrations".

one of the men asked if a "reward"
is paid, and I indicated that
"not usually" - but for Manua
a gift would be sent!

They indicated that turtles were
not traditionally fished - if
you catch one you don't have to
distribute it.

The main method of fishing was
with "Tamu" leaves - laid out
on the surface, then wait
for turtles to rise up under
as shown by "bulge". Both
species do this - hawksbills
(Caumei Uga), and greens (Caumei ena ena).

12 OCT 82 Turtle is then speared from a boat using a 3-prong spear - must hit the turtle in the head. This takes an expert. If speared through the shell, and it hits the digestive tract, the turtle is no good to eat - whole thing is thrown away.

To clean a turtle speared in the head, the neck ^{throat} is cut and the entire G.I. tract is pulled out (my notes obviously you must also sever anal opening; also if the stomach is greatly distended with food I don't see how it could easily be pulled out - maybe squashes down?).

The men indicated that an excellent Tame leaf turtle hunter is Feagi'ai - work at the power plant. Men indicated that this method hasn't been used for a long time; now turtles are sometimes caught while men are diving. Men did not know of a special name for the Tame leaf method.

Another old turtle fishing method is to get the branches of a breadfruit tree, put them in the water, and (spear?) or catch turtles when they are eating blossoms (both species are said to do this).

If the gull bladder breaks, the turtle flesh is considered poison, and the whole is thrown away.

12 OCT 82
TUESDAYFORGOT TO ASK ANY QUESTIONS
ABOUT MEDICINAL PROPERTIES OF TURTLE PARTS.

Mr. Malie Tufa, from Paloa village Tutuila, indicated that in his village, it was traditional to take a turtle to the chief when one was captured. There are certain seasons that they come on the beach. When there is lightning, full moon and high tide, it is a sure thing that a turtle will come on the beach. When they catch a turtle at night, they tie it to a pole, wait until morning, then ^{cook whole} cut it up and give to the people. Cooked whole to preserve juices. Take out eggs and cook separately.

At Ofu, the men stated that both species go onto the beach -

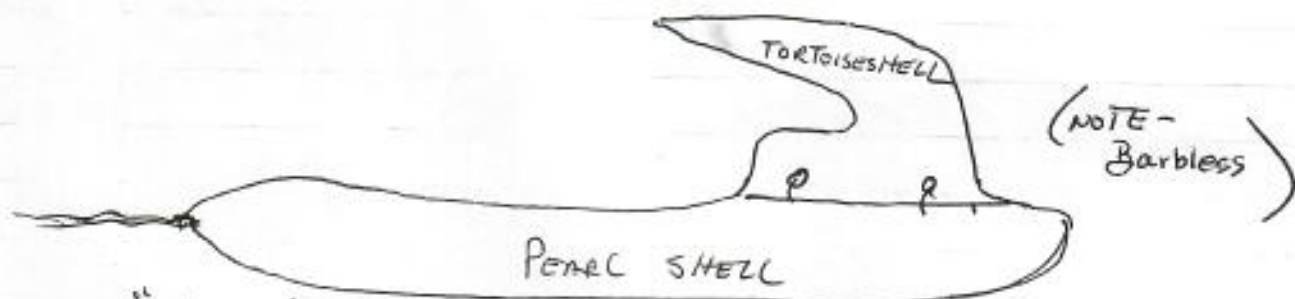
- 1.) SAMOI Beach (saw tracks 2 months ago)
- 2.) VAOTO Beach
- 3.) TOAGO Beach

Turtles are not so important to them, so they don't know if there are "special months" when they come ashore to nest. However, I stated that the presence of LIGHTNING is important. There is no special method for finding eggs. If tracks are seen, they dig with hands. They walk beaches while pole fishing, I happen to come across tracks. Eggs are prepared by boiling, but they don't get hard. Or they are eaten raw.

OF ANSWER
WAS THAT THERE ARE
NO SPECIAL MONTHS.

APR 51 506

- 12 OCT 82 The tale ^{belief} story was then told about the female waiting for the ~~young~~ ^{eggs} to hatch so she can eat the hatchlings. On Oahu, the hawkbill plates are used to make skipjack lures, or they are sold in Tutuila. There are ^(SKIPJACK) three kinds of turtle-shell lures:
- 1.) PAUSI - white pearl shell, dark turtle hook
 - 2.) ULIA - white pearl shell with a dark spot on the outer end
 - 3.) LAUMILO - brown pearl shell



"Tree twine" is used to tie point to pearl shell - also to make ^{the} fishing line itself. Twine is made from the skin of a tree called SOGA.

The above is an approximate sketch of a lure shown to us by TAEAOUE - brought from his house nearby.

In older days, tortoiseshell was used to make pins for children; also brackets and buttons.

AI AFU = "eat sweat"
benefit unfairly from work of others.

12 OCT 82
TUES.

My notes are unclear at this point, but I believe that it was said that the Leasvasu Fagai family at Fogalu Village (Pago?) Tutuila, makes tortoiseshell jewelry.

Concerning Rose Atoll -
The old men indicated that the Government used to pick up 5-10 men from each village in Manua to visit Rose on (Navy?) vessel. 3 birds were allowed to be taken by each person. Clams were taken.

No Turtles taken, according to these men. "PAU" put a "concrete seal" on the island.

- END OF INTERVIEW -

Walked on white-sand beach adjacent to Ofu airport - picked up piece of "blue" coral and broken pieces of flat white coral. Sand is very fine. Photo taken. Noted that high tide goes right up to thick vegetation line.

NOTED red Honotremis on coralline algae rubble - Like at Rose.
There is no high school on Ofu-Olosega. Students must go to Pago/Tutuila.

Short discussions with "Richard" - contractor for repair of Ofu Harbor (Lahaina (?) Company); originally worked for Hawaiian Dredging -

then started his own company; does a lot of jogging and walking on beaches - always sees other footprints made before him; believes people (kids?) would just break eggs for the hell of it - same way they cut down trees for no apparent reason; Lots of "fishing" with dynamite takes place - mostly for Vopelu in schools - in deeper water not on reef; people have lost an arm from this practice (I personally saw 2 on Ofu). Richards has been in Samoa a couple of years. Ofu - Olosega bridge was finished in 1979 - cost \$1 million dollars.

At 1:30pm we ate lunch by the harbor - Made Tau - Pago reservations with SPIA agent named Susuli.

Drove to Olosega village past EMS church - then walked away along less improved narrower dirt road.

Found a 12 gauge shot gun shell - used for ^{fruit} bats and boobies and frigates? later told that the man with amputated forearms shoots seabirds on Nuutele Is. at west end of Ofu. "Tele" means large. Noted that the 3 villages on Ofu - Olosega - and especially Olosega Village, are situated on a coral-sand rim with a steep-cliff backdrop of volcanic plant covered mountains - see photos.

12 OCT 82
TUES.

Found the home of LMS Minister
("Faifeau") in Olosega village -
NAME: TIMA TIMA, F.T.
OLOSEGA - MANUA
AM. SAMOA

~3pm INTERVIEW - AND Fed large meal
In the early 1950's he spent
8 years in the Ellice Islands -
Then 5+ in Fiji; Been in Olosega
for 16 years
Stats Populations - Olosega - 200 people
Ofu - 300
Sili - 30

He talked alot about his experience
with turtles in the Ellice Islands;
He visited all atolls, but seems
to have spent the most time on VAITUPU
ATOLL. Indicated that in Ellice they
believe that putting the ^{hawk's bill} carapace in
the ground for a time causes the plates
to get thicker.

If you grab the end of the flipper of
a large turtle and turn it forward,
the turtle will be in your control
while swimming. He knows of people
"swimming" or "steering" two turtles at a
time to the shore in this manner -
He also told story of a man who got

his arm tangled in a rope while tying a turtle offshore - turtle pulled him down aways - but men in boat had hold of the other end of the rope and were able to pull man & turtle up. Man had blood from ears, but was otherwise fine.

On Olosega, the turtle belongs to the taker. However, when caught they bring them to Tima because he knows how to properly clean and cook them. He learned this in the Ellice Islands. After cooking, he gives pieces to the villagers if they ask. (Minister seems to have replaced Matai in this instance).

He has been brought large greens with eggs - also "smaller turtles with scales" - hawkbills. Our lady host (at Olosega home) previous mentioned that he had been given a turtle about 2 months ago.

During our dinner at Tima's, I noted that the elder daughter present (sister) was sitting behind partition in kitchen - out of sight but within hearing range.

Tima said there are no special turtle fishermen in Olosega. Because of a battle between the islands some years ago, beaches on Ofu belong

12 OCT 82

to people on Osega. Some mention about a spear being thrown into the ground to define the boundary line of land ownership between the two islands. Nesting beaches mentioned in this context were

MAFALA & SUNILAO

Tina said that big clams (Tridacna) are plentiful in deep water - dive down a low tide to get them. Top shells too. He doesn't know of any preserved decorative turtle shells in the village - these get burned in the cooking process.

Question asked to Tina if he knows of any families in the village that claim to "own" Rose Island. - answer no.

Drove to Sili Village - noted damage to church and other buildings resulting from Torgan-hurricane storm waves. Was told that white sand previously existed along this shoreline - but now just rocks.

Met a Sowan man who had no been back for 12 years. Lives in Hawaii for Milo's ceremony. His wife is Milo's sister. President of Sili we talked to stated that "people here don't eat turtles".

12 OCT 82 TUESDAY Saw a large rusted mooring buoy with lots of chain that had washed up on the shore.

Host Mrs. Faiai told us of the ceremony to confer high talking chief title. Mulo will drink from the awa (?) and pour it on his head. Ministers will say ^{IMPORTANT PART} prayers. Ceremony will last for 2 days, with family members ^{coming} from all over. They will bring gifts of fine mats and money (~\$1000 gift seen). On the first day, only immediate family members and "guards" (young tattooed men - "u'pa coming) will be present. No pictures or TV, like is often allowed for these ceremonies on Tutuila. On the second day the event is opened up to the entire village when the chief "gives" to the village. The Samoan name for this ceremony is SAOFA'I. Host stated that no turtles would be given, or served, at the ceremony. "These people don't care about turtles" no value placed on them.

Notes station wagon with lettering - "First Samoan Full Gospel Pentecostal Church of Ofu Manu'a tele"

Frequently saw a rail-like bird running

12 OCT 82

TUES.

across the road.
Ate dinner at host's house.
William went off to visit the 7th Day
adventist minister assigned here.
I wrote some notes and went to
sleep in the guest house.

13 OCT 82

WEDNESDAY

UP ~ 6:30 am - At about
8:00 am we went to
Euliese's (7th DA) for breakfast.
Mary - course breakfast prepared by
the wife - I took several
flash photos. He was assigned to
Olosega from Western Samoa. He
has gone pole fishing on Namua
in Aleipata.

Interview with FEAGIAI -
electrician with power company.
He has not fished the "Tamu Tamu
Lauvei" method since about 1968
when he was young. Could get
4-5 turtles a day. He remembered
the poisoning at Anuanu.

Put Tappa leaves outside ofu harbor -
40-50 at a time. Day and night.
Leaves drift back and forth. - Sometimes
right into harbor. No special season-
"stability" is determined by
tides. Both greens & fantail
are taken - but mostly hawks.

13 OCT 82 Turtle were taken to a black guy
 WED (Papolo) (from Fiji?) for butchering.
 He knew how to do it right. Would
 cut the neck and pull the intestines
 out. If they break, turtles was
 discarded.

Both species have been seen nesting.
 One beach site is MAFAA -
 a rough walk to get there.
 When diving, he now catches
 turtles sometimes. Gives them
 to the Faifeau (in Ofu??). Hawksbills
 most common. He caught a small
 hawkbill (recently?) and his brother
 took it to Tutuila.
 - END OF INTERVIEW -

~ 12:00 At the airport, I was told by
 Tapaptui's son (visiting w/wife from Tutuila)
 that they went for a picnic on
 * Samo's beach yesterday and
 found evidence of a turtle nesting
 (tracks and dig). He dug for
 the eggs to eat them, but couldn't be
 found. Samo's beach is reportedly
 about 30 minute walk from Ofu
 harbor.

Reportedly there is not much limu on
 Ofu-Olosega. Three kinds eaten by residents
 are limu Fua Fua (green), limu MEA (red)

* old man also
 said that a
 whale and
 a "seal" had
 washed up
 there in the
 past.

and LIMU VAL ("Pink").

13 OCT 82 Dick Wass, Ben Sablon, Alison Kay,
WED. Roy Tsuda and other members of
the Marine Sanctuary group arrived
at Ofu ~ 1 pm on a chartered
plane. Insect site adjacent to the
airport.

William and I departed for TAV
~ 2:15 pm - land at short narrow
runway at 2:25 pm. Aerial photos
taken enroute. Plane is DeKivai and
Twin Otter. Saw a knocked off
coconut tree where fully loaded plane
crashed on land. No deaths. Noted
all cement "hurricane" houses in village.
Small (being used as "second" homes -
cost \$3,000 (to build)). Airport runway
situated above the village - SPIA holds
the lease. SPIA Agent, "Mata Nua",
drove us to the "Tan Motel", then
to her father's home to get about
use of car, or ride to Fitiuta
Village. (High Chief) TO'ATOLU Nua
has store in front. Reportedly Paul
on Spusaimoana sold him 500 lbs
of fish for \$400. Nua had a big mesh
at his market and sold all the fish.
Nua knows of 3 beaches on Tan
where turtles lay eggs. No shells

13 Oct 82
WED.

known to him in the village. When a turtle is caught, it is not absolutely necessary to give it to the Matai, but it is shameful if one doesn't. Both species present. If it is a small turtle, the Matai eats it himself. If the turtle is large, he spares it with the village. Same with eggs. Concerning Rose Island, he made 3 trips - first in 1940's, last in 1964. Stayed on the island 3 days. Planted coconuts and breadfruit. The Governor picked up people to take to Rose - while there they harvested birds, fish, and clams. No known family owns Rose. At a dinner which we interviewed Nua. I learned that he is the grandfather of William (Bill) Nua who I went to high school with in 29 palms. Bill's sister returned to live in Tau for one year. At ~ 5pm William and I walked to Faleasao Village - took photos of Tau village, and also sailing through the pass with Ofu-Olosega in the background. Saw 2 long "whale boats" on the beach at Faleapao - deteriorating and apparently haven't been used.

13 Oct 82

WEDNESDAY

for a long time. Boats should be visible in photos. At Faleasao, I also saw the elementary school (where children also come to from Tau) and heard the power plant. Met 2 German fellows who were visiting for 2 weeks, one had been out fishing. One on shore indicated that he hadn't seen any signs of turtles. Sampaan fishermen from Aea indicated that an "intermediate" size turtle had been seen at the nearby point. At 6pm the gong rang for the second time and we had to sit down for evening prayer time. I could see (inside) three of the nearby homes, and were seemed to be praying. One house had the TV going. We got a ride in a Toyota pickup back to the hotel. At Faleasao I saw several new expensive cars. Met hotel owner NIUMATA; asked him if he had handicraft, or turtle shells, that he sends to Pago (as someone previously suggested to me). He indicated that this was not true.

13 OCT 82 Niunata gave me the names of
 the following fishermen in Tau of
 Village - VEA (who is an old man)
 Mika ULUGALU subsequently interviewed

The "young's" family house is 3 poles
 past the church - a 2 story
 building. He also mentioned that
 "Return to Paradise" may be the
 title of an old film made in
 part at Rose.

In the evening we walked to the home
 of Steve Nabe and Michelle Chiro.
 Steve has been an Industrial Arts,
 and then Math, teacher on Tau
 for 1 1/2 years. High school is
 located above the village - along
 the road leading to Fitiuta.

Steve hasn't heard of or seen any
 turtles during his time in Tau. Has
 not seen any turtle shells.
 He is building a trigaran, which
 sits in the yard. Steve
 suggested that there may have been
 no need for early Tau people to go
 to Rose, because there is plenty
 of food here on the island and in adjacent
 water (but consider "specialty" items).

13 OCT 82

WEDNESDAY

TOMATOES
LETTUCE
BANANAS
TARO

People on Tan work hard on their plantations. He also mentioned and William Pedro confirmed, that the planting of coconut trees is used to (mark-off (and declare?) property ownership. Possibly this is a basis for Rose Island claim? (but by who, as yet I haven't found anyone, or village, that "claims" it). Talked about Sausuiraana selling fish to Nua - injured (cut hand) crewman may not have gone to the dispensary. No Palolo this month. Report of large dose growing on Tutuila by a certain family.

Side note - Cement marker on Rose seems to indicate exactly who "owns" Rose - the Gov. of Am. Samoa. But what about water of lagoon?

TAN "Village" actually consists of two villages (border is at the church) - AMOULI and ADFULI

Returned to Hotel and ate some Coconut Crab and other food

prepared by Niunata. Other 4 people from Pogo with CETA program were also eating. Saw a rat run through the dining room. Species unknown. Pillows (kayd mattress) in bed was stuffed with "cotton" from tall tree that grows in these islands.

14 OCT 82 UP ~ 6 am. Morning plane Thursday came about 6:30 am. Mata came for us in the pickup truck at ~ 7:15 am. Departed for Fitiuta village. Informed that letters "T's" & "K's" are pronounced differently in Fitiuta. Visited the Faifeau's house in Fitiuta - TIMOTEO TAULOLO. He has only been here since 1980. He gave us ~~us~~ a historical overview of his life as a minister but little about turtles. He gave us tara and a \$10 tin of beef as a present when we left. SUAFOA is a good fisherman, but he left for Pogo this morning. Note that Fitiuta is situated slightly inland - you can't see the

send
poster
&
booklet

14 OCT 82 ocean from the main road. Mata
 THURSDAY ventured that she has not seen
 any jewelry made of tortoiseshell.

11 canoes (no outboard motors) were
 seen on the beach just before
 Fitinta Village. This is a very
 large number for a village, according
 to William.

Looked for Popsa, but couldn't
 find him at his home or
 plantation. Therefore we
 stopped at the ^(last name) fale of
 MALAIMUA the "Tautai" of
 Fitinta village. His wife is
 FAAFEU, a 73 year old lady. She
 offered most of the information - in
 contrast to her husband who didn't
 talk much. She said that in
 the older days, when she was a
 little girl, "flower ^{PARADE} boats called
 "TAUAAAGA" (big boats) were used
 to go to Rose to get clams, birds
 turtles. These boats were made
 of Pua and you wood. They
 looked just like the present-day
 canoes, only much larger. As
 large as the whale boats at Fakasau.
 These canoes just rolled away

no sails
 P

when they fell into disuse. Fitiuta was
 the only village that had these - not Tau.
 Doesn't know of anyone that owns Rose-
 village or family. Question I asked
 through William - if there are plenty of
 resources here, why go on a dangerous
 long trip to Rose? Answer - In the olden
 days the people were very smart - watched the
 weather and went when it was good
 (i.e. not dangerous). She never heard of a boat or
 people being lost. How did they first find Rose?
 Her thought - accidentally. Went fishing further out-
 and eventually saw it - (or the birds
 noted chicks that kept pecking at food as their lunch
 dishes. Man said that nesting occurs on
 two beaches - both species but mostly
 hawksbills. FAGA is the beach
 before Fitiuta, SAU is after Fitiuta.
 Eggs are also taken (and boiled) but
 seldom now. If you catch a turtle,
 you can keep it yourself - don't
 have to give it to the Matai. Turtles
 have never known to be poisonous here.
 Lots of people know how to prepare them.
 They are now caught every so
 often while diving - smaller
 sizes and cooked. In the olden
 days the shells were used for hooks -
 but no longer. No jewelry made.
 Young girls name is FaqFEU TANCAI

Thursday
14 OCT 82

She is the daughter of TUPITO MACAEMUA
FITUTA, MANUA 96799

Photos taken.

We then found PAOPAO ^{Y. ESCROMA,} MATABAS cousin.
INTERVIEW - He said that eggs are laid by both species on Tau sand beaches in November & December. He used stiffish hooks made from tortoiseshell. Showed us long bamboo pole with 2 lines and hoops. If he gets a turtle, he calls the chiefs and they have a meal. Prime capture method - get them on the beach.

TUMA TUMA Gaumei is the name of a turtle catching method. Paopao showed me the dried scutes of a large hawksbill - gave me one scute. Wanted to know how much they sell for. Said he didn't save or use marginals or Plastron scutes. He also showed me a 20" carapace of a green turtle - set up in the rafters - 1/2 falling apart. Returned to the airport ^{Catch by Rowway.} for departure met (64 years old)

MIKA ULUGALU ^{INTERVIEW}
He made trips to Rose starting in 1942. Went on the Maniatele. Planted breadfruit, bananas and coconuts. After the war, went with Director George of movie "Return to Paradise". He took film of them catching birds and turtles. When

M. MONG returned to TAU in 1972 for 91
dedication of the power plant. Airport opened 1972

they came, there were only 2 coconuts and many Pisonia.
"Big" turtles were seen laying - "many" turtles.
Didn't see, and doesn't know about coral slab
ward. Black rocks were taken to
Rose for umu cooking, Concerning [PAU]?
YOUNG, Mika Mugaluk's father was a
sailor on Pāu Young's schooner. Pāu was
a pure Palagi - but it is not known where he
came from. Pāu married a Samoan
woman from Tau named AMEPERIA.
Their son was TAFĀ (SR), who
had a son TAFĀ (JR) still alive -
lives in 2 story house, but travels a lot to
Pago. Mika never saw the schooner,
but his dad told him about it. Also
about many old things. His father died
~ 1975(?) Pāu took this schooner
to Rose on several occasions. Tafa
Young says that they "discovered" Rose.
There is a wāpā in Tau
in his 80 years - same generation
as his fathers. Mika says that
turtles were very tame in those days at
Rose - would see turtles swimming right close
to shore. Would see 3-5 turtles resting per
night (i.e. no order of magnitude decrease).
In Tau in the older days, it was required to
give big turtles to the village Matai - but small
ones could be kept for themselves. A
respectful name of the turtle given to the
KING (TUI MANUA) was MELOMELO MANUA.

14 OCT 82

Thursday

A general name given to all turtles. Stated that they seldom find hawksbills - mostly greens. A special part given to the TUI MANUA is called "SAGA" - is the dorsal neck and meat from behind the head of the turtle. Concerning TUI MANUA, a title that has now been abolished - The titles used to be selected between two royal families PAPA and ANOALO, from TAVI. However, Tofa Senior was "elected" for the title by a group of chiefs - royal families objected. Also, a TPAFETE who came from Fitiuta claimed he also had a claim to the title ^(HAD ROYAL BLOOD). This was all taken to court in Pago, with the outcome that the title was abolished.

Tofa Sr. was the son of a rich man, so that is likely why he was elected. The Royal families objected because Tofa Sr. was 1/2 Palagi. Case decided by military or Palagi judges. END OF INTERVIEW

Take off from Tau at 12:45 pm. Quick landing at Ofu to let off and pick up passengers. Photo taken of SPFA stewardess ELDA. From Pago airport 639-1179 rode to the hotel with Jack Pedro, 1/2 brother of Williams (Jack's mother a Jennings). He was born on Swains in 1940 - lived there till he was 7.

Recalls that turtles were more apt to nest during lightning. A channel existed to the lagoon, but got filled in a storm.
 From my hotel room I telephoned Joseph Theroux at 639-9596 - works for DOE with Rick Davis. He has heard of turtle petroglyph on boulder. Will try to find and write (see photo) to me. A man on Savaii told him that an "old" name for Rose is MULI'AVA (Pear) (break in reef). Book AMERIKA SAMOA by Capt. J.A.C. Gray may also mention this.

15 Oct 82
 Friday

Saw Papa at Library - no luck in finding info on Anuvu. Same with "Judy" at LBJ Medical Records, 633-1222. Talked to head of hospital - Dr. Turner. He arrived in late 1967, so poisoning must have been before that time. Suggested a Dr. Salago in Public Health. All medical records were destroyed (intentionally?) when the hospital moved in in 1968. Turner will check for me. Checked some stores for hawkbill jewelry then went to OMR for debriefing meeting with Henry, William, Rick and Jerry. I noted list of names as follows:

- Chief ENGINEER - Palela Pule
- 1st MATE - IAKOPO ILLI
- DECKHANDS - PAULO MATA'UTIA (cont)

94
15 OCT 82
FRIDAY

Filifo ; Iona (John? from Swains).
Captain ; Paul Pedro.
Pago to SI'UFAALELE POINT, TAN - 72 miles
" " " TO ROSE - 81 miles

William took me to the water from "THE SWEET SHOP" where I photographed a BW of "Swains, Is. Schooner 1952".
William's father went to Rose on it once.
Took black rocks for UMV. Remembers singing songs while they pulled feathers from birds. Brought a small turtle back, where it was kept for a while at home.

On the way to the airport, we stopped at William's brother's home - Frank Pedro - saw and photographed green turtle shell obtained at Swains. Curved length - 43 1/2". Colored was darker than those seen at Rose. Departed Pago on SPIA at ~ 3:30 pm. Ben Sablan on flight - also being Henderson. Arrived in Honolulu about 10 pm.

BACKNOTE - A knowledgeable fisherman on Tan given as IOA MALVIA.

HISTORICAL SUMMARY OF GREEN TURTLES TAGGED NESTING AT ROSE ISLAND

by

George H. Balazs


FEBRUARY 1983

No.	Date	Tag Nos.*	Carapace length, cm		Researcher**
			curved	straight	
1	11-3-71	1080, 1080	-	-	EK
2	11-3-71	1081, 1081	-	-	EK
3	11-10-80	3502, 3503	-	-	GB
4	11-10-80	3504, 3505	111	-	GB
5	11-12-80	3506, 3508	-	-	GB
6	11-12-80	3509, 3510	104	-	GB
7	11-12-80	3511, 3512 3514	104	-	GB
8	11-18-81	5804, 5805	106	-	GL
9	11-19-81	5807-5808	94	-	GL
10	11-20-81	5809-5810	106	-	GL
11	10-7-82	5818, 5819 5820, 5821	-	105.1	GB
12	10-7-82	5822, 5823 5824, 5825	-	96.2	GB
13	10-9-82	5788, 5789 5790	100.2	95.6	GB
14	10-10-82	5791, 5792 5793	108	-	GB
15	10-12-82	5794	98	-	GL
16	10-13-82	5797, 5798	99	-	GL
17	10-13-82	5799	94	-	GL

*All tags applied by GB and GL are inscribed with the return address: "WRITE HIMB, UNIVERSITY, HAWAII, 96744". Tags applied by EK read: "BUREAU WILDLIFE, KAILUA, HAWAII".

**GB - George Balazs; GL - Gerald Ludwig; EK - Eugene Kridler.

11/93 - Rose Humeri
Leatherback

"Rite in the Rain" 

ALL-WEATHER
LEVEL
Notebook No. 311

G.H. BALAZS

W6RHH/MSH6

14150 -
14225
1993 14.250 MHz
2.5 - J - 0

10.053.8
10.0538 MHz

2.25 - L - 0

MALIK

2182

USB
6215.5

ISPO

1450

21.266 1.75 - I - 0

550 pm

11/1 5x5 Perm

409

DAYED

3x3 me

5x5

14.2633

11/2/7pm
p93 Turtle
Lagoon side
left of camp
2 false chanters
Bob &
over at 10pm

3D2 KM ^{Fiji}

14.235
5x 8 1020pm

1003
1020pm

14.2040
UAGYMF
1105 PM Alex

Turtle 1 11/3

K604 RH

K605 LH

K606 RFL

K607 LFL

CLL 107 x 95.5

Koel 1

1:45 pm

release

Lagoon

ID 4808

Syst # 7313

Turtle 2 4809 11/3
Syst # 7488

Start 250 pm
450 pm

K608 LH

K609 RH

CLL 96.5 x 91.5

119°

89°

Time =

535

into water

cop scabs

+ 2-3rd mory cuts

11/3/93
Ham

A350Z
Tony

Elliott 11/3

TOTA 14,257.1

~~9000
VK6EL 21,260
4,260 Hz~~

~~VK6EL~~

JL4PR 14,258

JCHLR 5x4w

14,2582 MANAGE 5x1

940^{mm} N2CYL N2CYL MONIC

11/3/97 10 pm
Turtle no
Tags ocean side
or in vegetation

11/4 Returned
1230 AM
2nd turtle in
messen, NO TAGS
flashed and wide
had flippers
part missing, healed
put in both
at or 1:30 am

11/4 230 AM EGGS
same CCL 10/1 cm
K612 LFL
K611 Bad
K610 RFL
ocean side
RAIN! just after I took photo
4807 turned on 11/4 3 AM
at Tent

11/4/93 TITUR
9:20 AM Spots of

4807 Gray in
posterior plaster
photo PL old crack

across
Cap scale under
neck -

K613 RH

6614 RH

1/4 of both Hairs
MISS.
Hearley

cont. vent
page

Need = longer hand nails
- longer wing contents
- color
Dunbar Rose Island Darwin
Green Turtle 4 Nov. 1993

(RF) K615

(LF) K616

CCL 100 cm

width 87 cm

followed loop

to shadow
flat 15' flat
windward side

chance to loop

Relaxed
11:35 AM -
3 Cent

other 3 flanked stages
comp. Same plastic
also

4807

Sea water
31.5° F
windward
side

7314 Sp #

11/4 THURSDAY

Sat 5-6 PM

photo arch
44 folio pits
9 pan + rocks
Anchor stone

11/4 H. 261.8

KH6CD Howie

MAHUKI
(Pen - one)

0100

(21)

VK6BGG

Rogers

14, 253

5X3

VK6BO

ROY

5X7

~~5X8~~
11/4 VK6PY Paul
10pm 5X3

~~ROD 5X8~~
206/12 X100

~~John VK6ANC~~
11/4/93 1115 AM
North end
mess.

~~14 Bands Photos~~
col. SCABS K618LFC RFL
Egg K619

~~10pm VK4GV~~
9pm 4808
By prints at 9pm
" come at Fortke

~~5X8~~
VK2ND

~~ROD 5X8~~

~~John VK6ANC~~
10/5/89 John

~~10pm VK4GV~~
VK6K6 Alpha
5X8

~~10pm VK4GV~~
Bob 5X9

1215 AM / 11/5 / FRIDAY

~~to~~ Pisom camp
photo
not in
trees

CCC-97x88

K620 RF

K621 LF

12 27 PM

ZL1 AR

11/5/93
14,260

5X9
RAMONS

5 different countries
50

N7BZI

HAC

5X3

~~VK9NS Norfolk~~

Jim
14,2605

~~W4BAA Dewitt~~

~~W9DWD~~

~~4x2~~

VK3 CCB
5x5

→ Roger Ballister
IOVA

LOCI

VE7IU
5x3

HK3JJH
5x5

~~KBBI~~
KBMB

~~W9DWG~~ 11/5

~~3x3~~
5x2

~~W9NZM~~
W4BAA
5x5

~~VE3XAN~~
5x3

W9 NZM
3x3

~~W5 OUE~~
3x3
~~W7DF~~
5x9

~~W6 WJ~~
K5FNR
3

11/5

WOS BOS
5x8

K6 BT
5x9

~~RB~~ K9 PPy
5x5

KASTQF
5x5

KASW 5x8

KD7SO

~~RB K9 PPy~~

WY BAA
3x3

N6 BOI 11/5 | 14.260.6
5x5

W70F
5x7

VK3PD ~~K9~~ ~~4x3~~

W9SBV 3x3

~~K9 PPy~~ VE3XN 3x3

K9 PPy 5x5

WB9 EEE 3x3

N7TTT 5x9

VE7GBT 5x5

KC8PG 3x3

~~RB~~ K5 OVC

W6RET 5x9

11/5/KBZVVU 5x7

K2VV 3x3

KB4CWO 5x3

AA7KE 5x3

W9DC 3x3

~~8PM 11/5/93~~

~~6H6ASW~~

RAY 5x5

4863141 AREA

(50)

ZL2MIK

MIKE 5x5

ZL1ANF (50)

MORRIS 5x5

VR6EB CB

VR6lab

5x5

Patton

HK6ISX

5x3

ZL2VS

5x9

Dual

KH6ADF

Rick

5x9

~~MORRIS~~

Photo

- intent

- Rose warden

- Rose Copper

~~VG7IG~~

4Z4DX Dove
5X7

~~G3UAY~~ PNG
P29SC

5X5

~~VK39F~~
5X8

VK6NS AR 820 pm
Qualified for a

number Roger = ~~OCEAN~~
1910

~~G3UAY~~ KA

GBKMA 4X5

VK59W 5X9

VK6LC 5X8

~~G3UAY~~ Roger
G3KMA Full QSL

11/5/93 9:25 PM

KA6 FM

OKIMAKA

585

~~KA20~~
ZL2BA

589

VK3EW

588

ZL1KT

589

NOV 6 1993
6

11/5/93

10 PM

Lagoon Side Beachrock Eggs

Wrecker Messer.

photos. Rootacwas
meek.

CCL 105 cm

K622 RFL

K623 LFL (not
locked)

K624 RH " goory

K625 LH " "

Shut down,

eggs and cover

when LFL

appears

K626 T 27
OK

ZLQVS

Dusty 14360

~~22~~ ~~276~~ 220 ~~255~~ am

~~141~~ ~~22~~ ~~276~~

21.260

- 1130pm
- 590
- BRASS
- BRASS
- KIND
- KIND
- FEELT
- FEELT