

UNIVERSITY MICROFILMS
UNIV. OF WASH. LIBRARIES

Eric & Bob T. 1957
Operations Carth.

March 1st 1957
Paul (at 2nd and D)
departed by U.S. train
at 12:30 PM. gas frame
all. Bob only.
The engine was
which I repaired. I
was that for a few
days. on some
a large step & down
was a concern. I
repaired about 1000
to come. I had
arriving at 7:00 PM
for T. I had
I had a
K. I had a

Season

March 15, 7:00 AM

Arrived at base
 7 AM. Left camp at 7:15
 along with several
 and a ~~car~~ equipped
 about 1/2 way it with-
 2 AM to 3 AM. We
 stopped and went
 to the station, and
 called back and a
 car came to pick us
 up at about 10 AM
 and left at 11 AM.
 We checked in at
 the 7:15 AM and

at 11:15 AM
 about 4:00 PM we were
 put on the alert list
 for a 10:00 PM departure
 After a dinner a the
 officers club we left
 for the terminal, checked
 our gear and set down

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then set down to wait,
about 4⁰⁰ P.M. we were
put on the alert list
for a 10⁰⁰ P.M. departure.
After a dinner at the
Officers Club we left
for the terminal, checked
our gear and sat down
to wait.

We loaded at 10⁰⁰
into a C-54 with
bucket seats and an
airforce crew. Once up
we fixed the racks and
tried to get some sleep.
Morning found us
still for out to sea
after 12 hours in the
air we landed at
Hickam Air. Topical
over to the hangar.

finally got out of the
plane after 14 hours
of not so comfortable
sitting.

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March 16, 1954.

Konolulu has changed in the past 18 months many new homes and business buildings.

We obtained a car and driver who drove us out to the Univ. of Hawaii. We visited Don Mc Kennan at the Post-Office. I called on Alton Settle then Don took us to the Aquaculture for a visit with the timber. Spence was in class at the "U" but Mrs. Tinker was at home. Spence came as we were leaving and drove us to the place

to eat at 'Traders'
is a fair eating
place.

Our flight was
scheduled for 10⁰⁰ am
then postponed until
12⁰⁰ midnight. We
had a couple of
extra hours so used
them to get a wink
of sleep. A couple
of hours is very
helpful after one
has had interrupted
sleep for three
nights.

March 17 & 18

Received my return
at 12:30 midnight and
left about 10 minutes
before 1:00 am and
took an air way
under way for a direct
flight to Linnerton.
In flight was
included to carry
down from the
top of the mountain
to about 10,000 feet.

We had a small
cabin and in an
altitude the water
was possible to walk
a part of the way
because the water
was so low and
the water was so
low.

" Found a

constituted" and the
one side of the room
called back with eight
weight trays. The
other side had a number
of boxes, some
fish boxes and a metal
way to hold out
supposedly safe in
case of crash landing

We passed a
Kauai about
15 1/2 hours after
take off and arrived
at Honolulu after
a flight of 17 hours.

The problems with
security. A Mr. [unclear]
H-11 met us and
got our equipment
cleared in [unclear] time

at Perry Island we
again were [unclear]

at Perry Island we
had a meeting with
my of faculty and
they assigned to
and quarters. Paul
+ H. in 105 room 9.
+ Char Barnes in 105
room 10. We promised
a truck and were
delivered to 215 Bldg
where Paul and
I were staying with
the numerous items
necessary to running
the laboratory.

In the P.M. Ek
and I made the
rounds of the office
to get acquainted
and to check on
supply items.

March 19, 1954

Spent the day spent
in getting a drawing of
the complete system
of clouds to try to
account for the
H-11, at L.C. and
T.H. 7.1 is presenting
and presents results
overlapping with the
L.C. and T.H. 7.1 and
this time was more
conformant with
results

Baron got the
new computer in
operation and the
maps of the islands
were produced and
made

23

March 20, 1954

Working the other

March 10, 1954
Decided to visit
some markets in
and Sol. 1954. Field
Day was making
decisions to visit several
up the place. The
amount of work to
organize and get
into operation a
laboratory can never
be imagined by any
one who has not tried
it.

At low tide Paul
and I made a small
collection of fish, 4 or
specimens, from the
reef in front of the
laboratory.

March 21 Sunday
A day storm last
night with wind
and rain. The rain
really can make a
noise pounding on
the tin roof.

Sunday routine
is ordered for the
inter island every
thing close down
-except for eating
and drinking facilities

We worked at
the lab in the
morning repacking
the shipping crates
into a compact
bundle.

In the P.M.
we went to
Eniwetok to

spend our money
at the P.X. no

minutes to

spend our money
at the I.K. we
lunch, however for
the P. was closed.
if all from the trip
again another day
I Command Kelley called
in the evening with
a request for some
opinion of the possibil-
ity of a trip to
Ponguich to pose
a look at the food
supply that was
possibly contaminated
by the fall out of
shrimp & Brown was
sent to T. I. Perkins
of our formation &

March 22, 1954.

Friday

Most of the day
was spent on a
trip around the atoll
in a helicopter. The
flight was requested
so that all members
of our group could have
a chance to see the
entire atoll & special
study was made of
the two islands Vera
(Kororua) and
Pearl (Cairu) were
carefully surveyed.

We stopped at Vera
and at Pearl (Bogalku)
and hiked about the
islands. Ralph
collected some plants.
Meter readings at

atoll indicate traces
of radiation remaining
with the meter which

Meter readings at

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Also indicate trace
of radiation remaining
with the meter
reading 5 mr/hr shield
closed and 20 mr/hr
shield open at 1"
from the ground.

A tentative request
was started by 7.11 on
request from Dr. Buehler
that we make a
zoological survey
of Kunglak Atoll, this
was to include others
for getting soil, make
reading of radiation
levels and help the
natives catch their
animals and load
them on board a
plane for Kwajalein.

the ~~lead~~ with

info ~~and~~ ~~used~~ ~~to~~
leave at once for
the Nicholas VDF
449 for a trip to
Pongalap to collect
we dug out of
the shell trap but
did have to get
all of our gear
aboard the D.F.

by 5 ~~pm~~ ~~so~~ they
could sail for Papeete
where we were to
meet them the next
day ~~at~~

Went to the
mine at night
to see Staley 17
a Roman prison
camp story &

March 21, 1954 Wed.
Left Perry Island
at 4:30 pm. We took
to take the plane to
Pitkin and 17 are
on our party with
our film and Dr. Thomas
Shipman as observer
as an extra.

Trip to Pitkin was
made in a. 547.
nice trip. We
landed on the strip
at Tove. Building
pretty hard but from
the swampy flat
7 March 1954.

7 took helicopter
to the USS Birosca -
had lunch and visited
saw three (3) of
the pupae (5) sailors

on the Birosca that
had (P. to ...)

Saw some of the
the pattern of the

in the Pacific that
had been found (?)
about the coast land
most forms were split
the end of a match
head, round, and
highly pigmented &
Hyaline - on wall along
marked complained of
much itching &

Bikini doctor the
more for peace with
the southern islands
completely decided to
make her air strip
and a target area

for the Japs and
I went to the States
to visit Bill Ogle and
returned to the islands
after summer &

March 21st 1968

A day of waiting
we had discussed the
need to move out further
west along the coast
because of a second
party from Keweenaw
hoping to transport to
collect the animals.
The ship had to help
this party too.

Our intention is to
move out to the islands
in the bay to get
timber. When out
we think for they
were all so small.

Visited Col. Thompson
for a few minutes the
fact to the Nicholas
that first plane flight

~~the rest of the day~~

The rest of the day
and stayed in my
stake for a couple
of hours.
We left Pitkin
about 6:30 PM and
put out to sea. A
very beautiful sunset
and all stood along the
rail and watched
until dark.

Mr Tom White
and two assistants
came aboard the
P.D. just above
we left Pitkin.

Sea was fairly
calm but Paul
and I had to
drake out of the
hurry in a hurry.

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March 26 1954 Fri.
Up at 6:45 am,
before sunrise, as
we were waiting
at noon to launch
one of the ship's
boats to take the
party to mid north.
They were nearly ashore.
They went in the south
pass and the ship
went on up to the
north east passage
and put in to launch
the second boat for
our party.

We were on the
water by 9:45 am and
stopped first at
La Pardy Island and
after making water

making, collecting
soil and some plants,
put out 17 traps and
then went on to
Nabelle Island for
a complete series of
samples & collecting
was good, put out 7
traps and returned
to the ship about 4:30
P.M.

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MICHIGAN
We were informed that
the ship must get
underway by sundown
so back we went to
pick up the traps on
Barnes - I and G
return started back from
Nabelle after dark
ran out of gas and
about get picked up
until 7:15 P.M.

March 27 1954 Sat.

D - Day

Another day to
remember. At the
rapid improvement in
the weather permitted
the command to abort
the second run. The
series of what scheduled
for Operations Center
up at 5:45 and
after cleaning up out
on deck for the big
moment.

At time 6:30 am.
the sky was almost
clear of clouds, only
a few scattered clouds
to catch the first rays
of the sun. We were
given a pair of

given a pair of

density glasses so
we had a depth
and then I lined
the rest of the fridge to
-watch.

The first initial
stock was terrific I
opened my eyes as soon
as I felt the flash
and was first in
time to see the
second and larger
fire ball form.

The nuclear DDT-449
was in a canyon of
steep 30+ miles south
east of Bikini.

The fire ball
soon merged into
one mass of rolling
fire. This lasted
for a very long time

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possibly as much
as 50 yards before
the ascending block
breaks major contact
with the ground.

The mineral color
of almost orchard shade
developed on the side
and under portion of
the gigastrid white
cloud. The rust
brown color of nitrous
and nitrous by side
was largely absent in
the early phases with
the dominant mass
snow white with
streaks of brown
where it folded in
the rolls.

A very notable
compression ring of "

Compression ring of

within which cloud
preceded the essential
cloud. ~~UNIVERSITY ARCHIVES~~
halo. UNIV. OF WASH. LIBRARIES

The weather man
must have called this
one correct for by 7:30,
after he saw the cloud
was still intact showing
little evidence of destruction.

The upper layers of
the cloud seemed to
spread out over hundred
of sq. miles as a brownish
gray cloud that remained
visible until noon.

The stem of the cloud
in addition to the color
mentioned had at least
7 "spouts" or falls
that hung as so many
beards from the stem.

In which case
that on most of the
boats I saw no sign
of a hull - the d was
very dark - almost
black the report of the
gun - the only one
was many times
louder and deeper
than that of the
trunk shot - it is
that we should
know about the same
circumstances

At the last the
sight of the boat was
more - on a highway
see nothing but a red
line. But the boat
was secret but

was started out

with about 1000
volunteers who packed
up the counter-
parts of the ship, but with
the women and on
some of the other parts
of the ship, but when
I had no more other
orders to remain
on duty, we
went down to some
smaller boats
and left the ship
at 6:00 P.M. we put
into Bikini lagoon and
remained until 8:00 P.M.
when we set sail
again for Eniwetok.

1952

28 March 4 Sunday.

Back at Eriwetok
again. We came into the
harbor just after sunrise
and soon had our
equipment and silver
loaded into an "m" boat
on our way to shore.
Got a truck and hauled
our gear to the lab.
picked up mail took
stages back to Rad-
safty.

Wally jumped on
the truck and cut his
head on a brace so
we took him to the
dispensary.

In the am. We packed
corals and glass bottles
for shipment to
the states.

In the P.M. we dissected
and packed specimens.

for the state.

In the P.M. we dissected and packed specimens for taking back to the laboratory. Only first dissections were made this time for we haven't the time to finish the job before I must leave for the state with the equipment and tissues.

Packaging tissues etc seems like old times although our environment for working seems pretty lush by contrast to the ston of an ISI or lack of the garbage shorts of the Chilton.

29 Mar 54 Monday.

Back at work at
218 cleaning up
packing tissue for
sending back to the
laboratory for
counting.

Collecting is easy
beath the mountain
of samples a couple
of hours on the
trip makes is
astounding.

Ed and I spent
much of the morning
in the compound
seeing people about
the red tape of getting
things done.
Made arrangements
to take the flight
from here to Honolulu

on Friday April 2nd.
Will have prepared to

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from here to Honolulu

on Friday April 2nd.
I would have prepared to
take the flight the
following day but
there is a good
chance that the following
day Sat. will be
that time again, if
so I'll be grounded
for a few days at
last.

Fall out is beginning
to eddy over Eniwetok
counter jumped from a
background of 20 to
over 600 counts per
minute. Outside the
building counts ran
around 6 m x

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30 March 54 Tues.

At long last we
are started on our
own program in a
productive way. Today
we went to Casuarina
Vera and started our
survey of the island
and the collection of
specimens for these
radiation assays.

Collections were
made in good style
except for the fish
where we ran out
of time before we
could make an
adequate pick up
of the stunned
fish.

Had an embarrass-
ing few moments

when starting the
survey for in tissue

I had an embarrass-
ing few moments

when starting the
survey for my trying
to read the alidade
a fine large image
with the superimposed
cross hair was seen
- but it was wrong
side up. It was some
time before we discovered
that we had not
put the prism and
the vertical new
eye piece on the end
of the tube. Once the
prism was in place,
the instrument read
in the proper manner
and an outline map
of the island 200' x 1'
was produced.

31 Mar 54 Wed.
Worked up material
collected yesterday on Vera
Ed + Chas Barnes went
back up to pick up the
traps - Had a remarkable
catch of 7 rats in 10 traps
& went over to Eniwetok
in the AM to try and
get a suit case. Went
over by plane at 8³⁰
and had to wait around
until ten before the
PX opened - Got a
hair cut while I
waited - cost 35¢
Come back to Perry
by M boat and
ran errands in the
Compound.

April 1 Thur.

Really had a big day for we set out to survey and collect at Arsu (Oliv). Took the water taxi to Ursala and then unloaded into an 'm' boat to go the rest of the way to Oliv. Much of the island has been denuded to make way for instrument installations and permit an unobstructed view of the target. The lagoon half of the island has been particularly hard hit and sandia have a big bunker on the northern end of the

island x 150
We surveyed from a point near

big ~~center~~
Northern end of the
island.

We surveyed
from a point near
the middle of the
island and were able
to get the necessary
points from a single
set. Transects were
marked out and
stakes driven at 100'
intervals across the
island. All that remains
to complete the survey
is to extend the transect
lines out into the lagoon
and out on the reef.

Collecting at high
tide is difficult for
a strong reef runs along
the lagoon side of the
island. Poromph coral
is found instead of
coral clumps as down

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SERIALS SECTION

an Uva. The collecting
on the lagoon side is
not as good as on the
reef side.

Mr. Blake & Dr.
Garrett, 14 + 11 went
with us today. Blake
was able to catch
four fish from the shore
using chicken livers for
bait. Garrett did
yeoman service in
helping with the
Survey.

YES
GARRIES

April 2, 54 Friday.

This is the day we
can't put off doing
things until tomorrow
for all material
must be packed and
in the freezer

DAVES
LABIES

Ed & Chuck went
back to O live to get
the traps. no rats,
so the traps were
set at Ursula such
rats as are caught
at Ursula will be
marked and transferred
to O live.

I spent much of the
day getting checks
and paying board
bills \$24.00 and seeing
people. Wasn't able
to get any dry ice

so promoted a can
of liquid nitrogen

to get any dry ice

so procured a can
of liquid nitrogen
temperature -193°C .

After getting all
the samples in the cool
we fashioned a tray
of cardboard and
placed a brick
in it. The thought
being that we could
pour the liquid N_2
into the tray cool the
brick and hope
it would keep the
samples cool until
they reach Hawaii.

Last night I had
a typical 5 hi night
head ache so spent
part of the night
on the head and
part out on the bench

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Went over to the
Dispensary and asked
Dr. Garrett for some
head ache pills. He
loaded me up with
headache pills, anti
acid pills, and some
"Domnatal" a mild
sedative that may
act to prevent headache
if taken at the onset
of the attack. He recommended
changing jobs or changing
personalities in letters
case it is good only
in that there be a
change of pace.

We worked late
in the evening getting
every thing in
ready ness for

an early departure
scheduled to leave

an early departure
scheduled to leave
Perry at 6:30 A.M.
but about 11:00 P.M.
Maj Armstrong called
saying the flight time
had been upped and
that I should be at
the personnel pier at
3:15 A.M.

Set the alarm for 2:15
and tried to get some
sleep - not much
luck.

3rd Apr 1952 Sat.

Wp at 2¹⁰ Am. -
ahead of the alarm. Paul
and I went out to the
lab. and poured liquid
N₂ into the cup and
really chilled down the
can. I tried to bend
the cover board and it
snapped like glass.

Arrived at the dock
at 2⁴⁰ and waited
until 3³⁰ Am. before
leaving by water
taxi for Eniwetok.

No plant at Eniwetok
so waited until 8¹⁵
Am before boarding the
plane for Kwaj.

Arrived at Wakajalein
at 1³⁰ Am. Lunch
had a little to eat

Left Kwaj at 12³⁰

had a filter to eat

Left Kwoj at 12³⁰
for Hickam. sat on
the field as usual
while they monkeyed
with the engine. nearly
cooked but wasn't as
hard put as an air corp
sergent who nearly
passed out as he
figured and interviewed.
Had dinner about
3⁰⁰ P.M. and a second
snack at 8⁰⁰ P.M.
He examined the I.D.L.
about 10 P.M. for the
14th time for good, and
started Sat. all over
again.

ENTRIES

3 Apr Sat (2nd 2nd)

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Arrived at Hickam
at 1:30 AM. Estimated
time was a 13 hour
flight from Kway.
Cal Stork and a
Bob (Alexander)? were
at the plane. It
required an hour
and a half to get
through Customs.

The reaper can
with the specimens
was opened in a
reaper and found
to be in perfect
condition. The black
7 time was fast
covered as was the
cardboard insert.
The dropping of the

Temperature 193.5

~~Card from~~
The dropping of the

temperature to -193°C
sure must have a
lot of cold to last
24 hours as in
this case.

Got to bed in
room 20 between 64 BQQ
and sleep until 8 AM.
when I went back
to the terminal to check
on the dry ice.
N.M. had 15⁺ dry
ice and had put it
on the upper so
every thing was O.K.

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