

UNIVERSITY OF WASHINGTON
LABORATORY OF RADIATION BIOLOGY
SEATTLE, WASHINGTON

411108

FL
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Locality Elmer Date June 17, 1958
Personnel Weeles & Welander Weather Normal - 87.5°F
Water conditions Normal

Radiation level(s)

Location APFL

BCA

Operations:

Date: 1958-7-12/58-7-31/58

Had repairs made on windows on windward side of lab. Also doors changed so as to form a wind sweep. Makes it tougher for the flies and we enjoy the breeze thru the lab.

The large drying oven was moved from the counting room into the main room.

Worked for about an hour on the γ spect. It is working like new now. The trouble was found in the micro-switch within the timer and ~~not~~ the micro switch within the scaler. Also repaired timing register in the super scaler. We are now making arrangements for a tube checker which we will use to check all tubes in γ spect. Tomorrow we will have a γ spect. that is like a new one.

The show hall is really in a bad way. It seems they have a tremendous surplus of pipes now that Palumbo has departed. We will do our best to remedy this situation.

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Locality Elmer Date June 18, 1958
Personnel Weeks & Welsch Weather Hot - no clouds
Water conditions Normal

Radiation level(s) Linden at 1500. off Runit

Operations:
Laid on trip for plankton & fish tomorrow.
Called J-3 phone 6-2225 & set up the M-Boat.
and called Mess Hall 6-2736 for lunches.
Don has spectrometer running again smoothly.
Painted more boxes. Washed fish from Runit.
Set up gear for the trip tomorrow.

Frank and/or Ralph - You may need more screen,
100 mesh/inch, for the Silverstein trip if you need
a different screen for each station or haul.

Samples take all day to count, so
we move slowly until tomorrow's plankton
comes in.
No word on the incoming personnel!

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Locality Elmer Date June 19, 1958
Personnel Wicks & Ulander Weather Normal
Water conditions Normal

Radiation level(s)

Operations:

Plankton - fishing trip around Lagoon.
Because of yesterday's shot at Yvonne we obtained
pre-entry blanks & filled some at Red-Sale with
the help of Harry Schlaich. Left by M-boat at
0800 with Ed Carol, Fred DePalma as assistant.

P-37 (Plankton haul 37) off Glenn near Widi
passage at 0925 to 0945 with $\frac{1}{2}$ meter net +
72' of line with M-boat drifting. Placed in
graduate cylinder with some alcohol and the plankton
all rose & compacted at top of cylinder, so
measured volume of 20 ml ~~at~~ at the surface.

Placed all plankton & liquid from graduate in
15 ml P.E. bottle.

P-38 off LeRoy about 1 mile 1048 - 1105 - 15 ml
crossed fallout pattern from Lindle immediately north
of LeRoy, the surface water ran to 14 mph/hr.
The pattern appeared to be about 100 yards
across from 2 mph/hr to 14 mph/hr to 2 mph/hr.

~~P-39~~ off Bell 1230 to 1300 - lost graduate
cylinder & plankton on board.

P-39 - 2 ml by - 1305 - 1320 off Bell

P-40 - off Yvonne + Ran into Lindle Fall out
again - surface water up to 34 mph/hr. 1445-1505.
Fallout pattern here roughly a quarter of a mile
across.

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Locality Elmer Date June 19, 1950 (continued)
Personnel Weeks & Welanders Weather Normal
Water conditions Normal

Radiation level(s)

Operations:

Arrived Elmer about 1630. Found most of us ~~was~~ contaminated with salt spray to about 40 m/phi on hands & feet. Plankton net ran 5000 m/phi at cod end.

Took showers at decontamination station. Washed clothes there also. Placed plankton net in large concrete aquaria.

Due to a revised spot ~~date~~ date Pinion^{SMT} (unclass.) will now go on the 25 August. This spot will delay the Silverstein trip until about 1 Sept.

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Locality EL PASO Date 21 June 1958
Personnel WELANDER, CENTRIL, Weather NORMAL
CHAMPION & WEEKS Water conditions NORMAL

Radiation level(s)

Operations:

Bill and Jim arrived this morning at 10:00 hours. They are rooming with ART and I in Bks 460. She got them squared away at the pass office and all are set for lots of work.

Col. Gibson (7.3) called this morning concerning a problem at Johnston Is. Sand Is. ^{located} just to the NE of Johnston Is is a bird sanctuary with a population of about 10,000 birds. The true status ^{rehabilitated} for that area will definitely have harmful effects. Col Gibson wanted to know if we had any idea as to how to protect them. They cannot use smoke because of optical equipment at Johnston Is. Off hand we could not think of any solution.

She are continuing to do count and process samples from previous field trips.

She reserved a room for Dean Bunn with Dr Donaldson at Bks 128. She anticipates their arrival next Thursday, 26 June.

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Locality ELMER Date 20 June 1958

Personnel WELANDER & WEEKS Weather NORMAL

Water conditions NORMAL

Radiation level(s) _____

Operations:

FILTERED & DRIED PLANKTON SAMPLES FROM
19 JUNE TRIP. (WEIGHT ALSO) CONTINUED COUNTING
OF U-1 & U-2 SAMPLES LEFT BY LOWMAN.
VERY LOW ACTIVITY IN THESE SAMPLES. PERIODIC
CHECK WITH STANDARDS SHOW THAT
SPECT. IS FUNCTIONING PERFECT. NO DRIFTING
AND EVERYTHING ELSE WORKING A-1.
AT 1500 HOURS WELANDER, SCHLARKS, CARL (?)
& WEEKS TOOK OFF IN H-19 FOR BELLE.
SCHLARKS TOOK M/T READINGS - WEEKS & WELANDER
HUNTED FOR PALUMBO'S SCAEVOLA THAT
WAS PROTECTED WITH POLY-BAGS. BOTH BAGS
WERE OPEN AT END SCAM FROM OVER PRESSURE.
ONE BAG BADLY MELTED, THE OTHER IN FAIR
CONDITION. M/T READING AT BUSH WAS 450 M/T.
WE ALSO OBTAINED TWO EXPOSED SCAEVOLA
BRANCHES FROM NEARBY BUSH. THE EXPOSED
BRANCHES ARE BEING DRIED TOGETHER. THE
TWO PROTECTED BRANCHES ARE BEING PREPARED
SEPARATELY. BELLE WAS BURNED QUITE BADLY
BUT VEGETATION WILL PROBABLY RETURN. JANET
IS IN REAL SAD SHAPE - no vegetation

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