

REDWING

410943

Rad Safe Operations Log Book

TG 7.1 - TU-7

P)

Enrichment

Pilot

April 1970 - August 1976

RG 326 US ATOMIC ENERGY COMMISSION

Location LANL

Collection H. Div

Redwing Log Book
Plotting & Briefing

CONFIRMED TO BE UNCLASSIFIED
BY AUTHORITY OF DOE/OC

REVIEWED BY M. Nash DATE 11/28/83

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TD - 7 Headquarters

CMU-7	Major Jacks
CO - 1st Room	Major Cover
Operations Spt	SFC Gaines
Administration Clerk	SFC Priner
Supply Officer	Major Gannito
Supply Spt	SFC Glasen
Supply Clerk	SFC Harrod
PAR Officer	Capt Purcell
PAR Spt	SFC Powell, ..

Am...

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Monitor	Wiles	Civ
Monitor	Healey	Civ
Monitor	Johnson	Civ
Monitor	Keams	Civ
Monitor	Knapp	Civ

Photodensitometry

Supervisor	1 Lt. Paolotti	
Asst. Supervisor	2 Lt. Boyles	
Photodensitometry Technician	SP2 Stout	
Photodensitometry Technician	SP3 Sandovl	
Photodensitometry Technician	SP3 Weber	
Photodensitometry Technician	SP3 Zukas	
Photodensitometry Technician	SP3 Fenjman	
Photodensitometry Technician	SP3 Diamond	
Photodensitometry Technician	Sgt. Burns	
Photodensitometry Technician	Sgt. Harris	
Photodensitometry Technician	Sgt. Holt	
Photodensitometry Technician	Sgt. Kane	
Photodensitometry Technician	Sgt. Smith, Leo	
Photodensitometry Technician	Sgt. Stetser	
Photodensitometry Technician	Sgt. Tiffany	
Photodensitometry Technician	Sgt. Veprek	
Photodensitometry Technician		H & P
Photodensitometry Technician		H & P

Instrument Repair

Instrument Repair Technician	SP2 Ballard
Instrument Repair Technician	SP3 Winters
Instrument Repair Technician	SP3 Weigel

4

Counting Laboratory

Laboratory Officer

LT Lier

USN

Laboratory Technician

HM2 Diets

USN

Laboratory Technician

HM3 Andahl

USN

Supply

Supply Clerk

PFC Powell, R.

Supply Clerk

PFC Condon

Supply Clerk

PFC House

Supply Clerk

Pvt Dyer

Decontamination

✓ Decontamination Specialist

SP1 Beegle

✓ Decontamination Specialist

Pvt Burnett

ASST

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10 APRIL 1956

IN COMPLIANCE WITH ORDERS ISSUED BY
COMMANDER TASK GROUP 7.1, ALL PERSONNEL
ASSIGNED TO T.U. 7 (PARRY ISLAND AND HEADQUARTERS
UNITS) AS PER ATTACHED LIST, WITH EXCEPTION OF
CIVILIAN PERSONNEL, ^{HAVE} REPORTED ABOARD PARRY IS-
LAND, ENIWETOK ATOLL, MARSHALL ISLANDS.

COMMENCED PRE-OPERATIONAL AND TRAINING PHASES.
CONTINUED PREPARATION OF FILM BADGES, DOSIMETERS
AND RECORDS, CALIBRATION OF RADAC INSTRUMENTS, RE-
CEIPT, INVENTORY AND STORAGE OF RADSAFE CLOTH-
ING AND EQUIPMENT.

COMMENCED PREPARATIONS FOR TRANSPORTAT-
ION OF BIKINI ATOLL RADIOLOGICAL CONTROL
UNIT TO BIKINI ATOLL.

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J. K. [Signature]
LT USA

6

11 APRIL 1956

0900 CONDUCTED CONFERENCE OF ALL OFFICERS
ASSIGNED TO TU 7. UPON COMPLETION OF CONFER-
ENCE MAJOR FADE PLACED LT. F. PETERS IN CHARGE
OF THE TRAINING SECTION WITH ORDERS TO WORK
UP A ONE-DAY AND A TWO-DAY MONITORS COURSE FOR
THE TRAINING OF PROJECT MONITORS.

F. Peters
LT USN

TH
L.
FO
08
M
TC

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LANL RG

COPIED
LANL F

7

10 APRIL 1956

THE BIKINI ATOLL RADIOLOGICAL CONTROL UNIT,
LT REX S. GYGAX, USN IN CHARGE, DEPARTED AT 0700
FOR BIKINI ATOLL.

0800 THE DOSIMETRY AND RECORDS SECTION COM-
MENCED DISTRIBUTING PERMANENT FILM PAGES
TO ALL TASK GROUPS.

[Handwritten signature]
LT REX S. GYGAX

010000
010000
010000
010000
010000

D/DOEJ
RC

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8

13 APRIL 1956

0830 CONDUCTED DUMMY RUN OF MONITOR'S
COURSE. SAMPLE LECTURES OF ONE-HOUR DURAT-
ION WERE DELIVERED BY LTJG BROBST, 1ST LT
PETERS, 1ST LT MUGGETT AND 2ND LT MILIOTES.
1930 THE FOLLOWING LISTED CIVILIANS REPORTED
ON BOARD FOR DUTY WITH T.U. 7.

CHUM, CLIFFORD, T. F.

GILBERT, HARRY

HESLEY, G. W. (B)

KEARNS, B. W., JR.

ROYALL, J. D. (B)

SMITH, W. S. (B)

TAYLOR, R. S. (B)

LEVISON, S. (B)

(B) BIKINI UNIT

DUNLAVY, R. E.

HALES, H. E.

JOHNSON, W. J.

KNAPP, J.

SPINNEY, D. R. (B)

SUPREMANANT, G. A. (B)

WILLIAMS, F. A. (B)

Bob J.
LT USN

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LANE RC

Co.
PRE

9

14 APRIL 1956
CONTINUED PRE-OPERATIONAL AND TRAINING
PREPARATIONS

[Faint handwritten notes]

14
APR 1956

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LANL RC

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S
C

15 APRIL 1956

OBSERVED HOLIDAY ROUTINE

Hole
LT WBY

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16 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE PREPARATIONS.
0800 COMMENCED ONE-DAY AND TWO-DAY MON-
ITOR COURSE FOR PROJECT MONITORS.

1150 MAJORS WEAVER AND JACKS DEPARTED
FOR BIKINI ATOLL

[Handwritten signature]
17 00

17 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE PREPARATIONS
AND TRAINING. CONTINUED ONE-DAY AND TWO-
DAY MONITORS COURSE 1

1730 MAJORS JACKS AND WEAVER RETURNED FROM
BIKINI ATOLL

1700 COMPLETED TWO DAY MONITORS COURSE

J. Golub
LT 8511

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13

ONE-HALF DAY MONITORING COURSE, 16 APRIL 1956

BANCROFT, Dennison

CALEOTI, J. F., H&M

MILLS, G. W., TU-3

BISCHOFF, L. P., TU-3

DONOVAN, J. F.

BURK, E. E.

HOOVER, C. H. ✓

HAGMARK, A. T., H&M

OWENS, J. C., H&M

IATOOO, K., H&M

TOMPkins, Robert C., 2.65

HUTCHINSON, J. O., 2.65

RANKIN, Aaron M., 1B

CORNER, Jerry P.,

FELTHAUSER, Harry

SAUNDERS, B. Roy Jr.

FITZBUCH, R. S., 15.2

SIGOLOFF, S. C. ✓

RICHEY, E. O. ✓

PICKERING, J. E. ✓

GOODWIN, Lester K., 13.2

NEHER, Leland K., 13.2

MCCARTNEY, Edward J., 13.2

SINGER, Sidney, 13.2

PULOS, John, 13.2

BREDESTAGE, Joseph J., 8.5 & 5.8

SCHMOKE, Murray A., 2.4

SMITH, Robert J., 2.4

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ONE-HALF DAY MONITORS COURSE, 17 APRIL 1956

BARKER, L. V., 8.1	BERMAN, Arnold, 2.65
BROWN, P. E., 2.10b ✓	SHAW, Everett E., 15
CHEBOWERIER, E., 2.10b	TSIVITSE, Peter J., 2.51
BACKMAN, G. E., 2.10b	JOHNSON, John J., 2.65
LULIL, R. A., 2.10b	HARMIT, Martin, 2.51
VOONZALES, V. A., H & N ✓	WOOD, Henry A., 2.51
PARTHIDOE, Ralph E., 16.3	LOUIS, Henry, 2.71
LAWRENCE, David H., 16.1	RIMBERT, Heinz R., 2.71
ORR, Clarence W., 16.3	PETERSON, Gerald A., 2.51
CORNWELL, Joseph W., 16.1	HOLMLUND, Gordon W., 2.71
MEADOWS, Ben, 16.1	FRENCH, Orrin A., 2.71
JANCO, Maurice, 16.1	BOATNER, Robert E., 2.71
NOHARA, Gizo, H & N ✓	EASON, John R., 2.71
BRANAT, R. D., H & N ✓	WONG, Kai M., 2.71
WESIFALL, F. O., 18	WILMOTH, Arthur L., 2.71
KREY, Philip W., 2.65 ✓	
MONTILLY, John H., 2.65	

ONE-HALF DAY WORKSHOP COURSE, 16 APRIL 1956

DANCROFF, Dennison

GALEOTTI, J. F., HEN

MILLS, G. W., TU-3

FISCHOFF, L. P., TU-3

DONOVAN, J. F.

BURK, E. E.

HOOVER, C. H. ✓

MACMARE, A. T., HEN

CANNON, J. C., HEN

TANIGUCHI, K., HEN

TOMPKINS, Robert C., 2.65

HITCHCOCK, J. G., 2.65

RANKIN, Aaron M., 18

CORNER, Jerry P.,

FELTHAUSER, Harry

SALWERS, E. Roy Jr.

FITZBURN, R. S., 15.2

SICOLOFF, S. C. ✓

RICHY, E. O. ✓

FICKERING, J. E. ✓

GOODMAN, Lester K., 13.2

HEMER, Leland K., 13.2

MCCARTNEY, Edward J., 13.2

SINGER, Sidney, 13.2

FULOS, John, 13.2

BREDESTEIN, Joseph J., 8.5 & 5.8

SCHMOKE, Murray A., 2.4

SMITH, Robert J., 2.4

11
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17
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TWO DAY MONITORS COURSE, 16 & 17 APRIL 1956

EROWNELL, M. H., 8.1

LAUCHRIDGE, F., 8.1

LANGENRAJEN, C. F., 8.1 2.65

YONEMAKA, H., 2.65 ; PVT

ABBOTT, R., 2.51

ROHS, R., 2.51

JENKINS, E. L., TU-6

BURTON, R. J., TU-6

GARCIA, W. E., TU-6

NORTHRUP, C. J., 30.1 & 30.2

MORRISON, J. H., 30.1 & 30.2

MESNARD, J. M., 30.1 & 30.2

HALES, H., TU-7

WARD, J. B., TU-6

LANEY, T. F., 2.52

BARBER, G. B., 15

KEARNS, B. W., TU-7

GILBERT, Harry, TU-7

JOHNSON, J. W., TU-7

DUNLAVY, R., TU-7

CHUM, C. T. F., TU-7

KNAPP, John, TU-7

SPENCER, S. C., 2.10

FLEETCHER, I. D., 2.10b

SENT, H. C., 2.10b

MARTIN, James L., TU-3

BRACE, Charles L., 2.51

STOUT, Charles A., 2.51

File for file

SCHEDULES FOR ONE-DAY AND TWO-DAY MONITOR'S COURSE

A. One-day course to be given 16, 17, and 18 April, 1956 from 0800 - 1200, and 1300 - 1400

- 0800 - 0900 Radioactivity and General Theory -- LTJG Brebst
 - a. Types of radioactivity
 - b. Units of Measure
 - c. Shielding and Decay
 - d. Medical aspects
 - e. Types of blasts to be expected
- 0900 - 1000 Rad Safe Procedures at PPG -- 2/Lt Milietes
 - a. Processing thru Rad Safe Building (Clothing, Instruments, etc.)
 - b. Check Points and Area access clearance
 - c. Monitoring
 - d. Time of stay
 - e. Decontamination and allowable contamination tolerances
 - f. Shipping of contaminated materials
- 1000 - 1100 Dosimetry and Records Procedures -- 1/Lt Mudgett
 - a. Film Badges
 - b. Dosimeters
 - c. Records
- 1100 - 1200 Instruments -- 1/Lt Peters
 - a. IC - AN/PDR 39
 - b. GM - AN/PDR 27 or MX - 5
 - c. Special purpose instruments
- 1300 - 1400 Instrument Use -- 1/Lt. Peters
 - a. Calculation of expected intensity
 - b. Stake line survey
 - c. Determination of percent error
 - d. Personnel Monitoring

B. Two-day course to be given 16 and 17 April, 1956 from 0800 - 1200, and 1300 - 1700

- 0800 - 0900 Orientation -- Maj Weaver (SigC)
 - a. Necessity for Rad Safe
 - b. Concepts of Rad Safe
 - c. Organization for Rad Safe
- 0900 - 1000 Structure of Matter and Radioactivity -- LTJG Brebst
 - a. Structure of the atom
 - b. Proton, neutron, electron and basic particles
 - c. Formation of atoms, isotopes, etc.
 - d. Natural radiation
 - e. Induced radioactivity
- 1000 - 1100 Radiation Units, Shielding and Decay -- LTJG Brebst
 - a. Units
 - b. Shielding
 - Decay
 - d. Protection
- 1100 - 1200 Medical Aspects of Nuclear Radiation -- 2/Lt Milietes
- 1300 - 1500 Photodosimetry and Pocket Dosimeters -- 1/Lt Mudgett

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- 1500 - 1700 Instrument Theory and Special Instruments — 1/Lt Peters
- Second day
- 0800 - 0900 Dosage and Time of Stay — 1/Lt Mudgett
- 0900 - 1100 Instrument Familiarization — 1/Lt Peters
 a. Calculation of expected intensity
 b. Shop calibration
 c. Determining instrument error
- 1100 - 1200 Rad Safe Procedures at PPG — 2/Lt Milietes
 (Same lecture as in one day course)
- 1300 - 1700 Practical Exercise in Rad Safe Procedures — LTJG Brebst & 2/Lt Milietes

Lecturer Assignments

Maj Weaver (SigC) (1 hour)

16 April

0800 - 0900 Orientation

two day course

LTJG Brebst (7 hours)

16 April

0800 - 0900 Radioactivity and General Theory

one day course

0900 - 1000 Structure of Matter and Radioactivity

two day course

1000 - 1100 Radiation Units, Shielding and Decay

two day course

17 April

0800 - 0900 Radioactivity and General Theory

one day course

1300 - 1500 Practical Exercise in Rad Safe Procedures—two day course

18 April

0800 - 0900 Radioactivity and General Theory

one day course

1/Lt Peters (10 hours)

16 April

1100 - 1200 Instruments

one day course

1300 - 1400 Instrument use

one day course

1500 - 1700 Instrument Theory and Special instruments—two day course

17 April

0900 - 1100 Instrument Familiarization

two day course

1100 - 1200 Instruments

one day course

1300 - 1400 Instrument use

one day course

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1/Lt Peters (continued)

18 April

1100 - 1200	Instruments	one day course
1300 - 1400	Instrument use	one day course

1/Lt Mudgett (6 hours)

16 April

1000 - 1100	Desimetry and Records Procedures	one day course
1300 - 1500	Photodesimetry and pocket desimeters	two day course

17 April

0800 - 0900	Dosage and Time of stay	two day course
1000 - 1100	Desimetry and Records procedures	one day course

18 April

1000 - 1100	Desimetry and Records Procedures	one day course
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2/Lt Milietes (7 hours)

16 April

0900 - 1000	Rad Safe Procedures at PPG	one day course
1100 - 1200	Medical Aspects of Nuclear Radiation	two day course

17 April

0900 - 1000	Rad Safe Procedures at PPG	one day course
1100 - 1200	Rad Safe Procedures at PPG	two day course
1300 - 1500	Practical Exercise in Rad Safe Procedures	two day course

18 April

0900 - 1000	Rad Safe Procedures at PPG	one day course
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FREDUS N PETERS III
1/Lt CmlC

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18 APRIL 1966

CONTINUED PRE OPERATIONAL PHASE PREPARATIONS
AND TRAINING

1400 COMPLETED TRAINING PHASE HAVING CONDUCTED
THREE ONE-DAY AND ONE TWO-DAY MONITORS
COURSES. PERSONNEL HAVING COMPLETED THIS
COURSE ARE CONSIDERED AS QUALIFIED TO ACT
AS PROGRAM MONITORS WITH THE PROVISION THAT
THE PROCEDURES OUTLINED IN THE MONITORS
CHECK-LIST BE RIGIDLY ADHERED TO. ATTACHED
ARE LIST OF THE PERSONNEL ATTENDING THESE
CLASSES AND COPIES OF THE CURRICULUM.

1600 MAJOR GUY G. CANNITY DEPARTED FOR Z.I. TO REPORT
FOR OVERSEAS ASSIGNMENT. MAJOR C.L. WEAVER
ASSUMED DUTIES AS SUPPLY OFFICER

John H
LT USN

19 APRIL 1956.

CONTINUED PRE-OPERATIONAL PHASE PREPARATIONS
1445 COMMENCED FAMILIARIZATION TOURS, BY AIR,
OF ENWETOK AIRFL. FIRST FLIGHT: MAJOR FADE

MAJOR WEAVER, LT COLE, LTJG BROBST.

1525

FIRST FLIGHT RETURNED

1530

SECOND FLIGHT: 1/LTA RYAN, PETERS, MUDGETT
2/LT MILNOTES. SECOND FLIGHT RETURNED TO
PARRY IS AIR STRIP AT 1615.

John
LT. USN

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22

20 APR 1956

CONTINUED PRE-OPERATIONAL PHASE PLANNING
AND PREPARATIONS.

Flab J
27 BSN

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21 APRIL 1956

CONTINUED VRE OPERATIONAL PD & PREPARATIONS

OBS

Gold
LT. USNY

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24

22 APRIL 1956

OBSERVED HOLIDAY ROUTINE

J. G. [unclear]
LT USN

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23 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE REPAIRS

1055 MAJOR G. JACKS, USA, COMMANDER TASK

UNIT 7 DEPARTED FOR BIKINI ATOLL

9606 J
LT USN

CONTINUED

1800

FROM

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26

24 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE REPARATIONS
1800 MAJOR G. JACKS, USA, C.T. V. 7, RETURNED
FROM BIKINI ATOLL

9606 J
27 USN

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4 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE PREPARATIONS
HAVE BEEN INFORMED BY CAPT RUMNEY, AIR OPER-
ATIONS OFFICER THAT THE ONLY AIRCRAFT AVAIL-
ABLE FOR SURVEYS ARE MARINE HELICOPTERS.
INSTALLED SHACKS AT CHECK POINTS.

Flores J
LT. USN

Co
Su
INC
TD
CEI
AT
TH

COPIED/DOE 7
LANL RC

28

26 APRIL 1956

CONTINUED PREOPERATIONAL PHASE PREPARATIONS.
SUBMITTED LETTER TO CTG 7.1 REQUESTING
INCENTIVE PAY FOR THOSE INDIVIDUALS EXPECTED
TO BE PARTICIPATING IN AERIAL SURVEYS. RE-
CEIVED FOUR MOTOROLA MODEL 43GGB-1 RADIOS.
AT 1700 MUSTERED ALL PERSONNEL ASSIGNED
THIS UNIT. ABSENTEES: PEDERSON, RAYMOND (CIV.)

9606 J
LT USN

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27 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE PREPARATIONS.
RECEIVED TWO BARREL RADIOS. MAJORS WEAVER
AND FADE MADE TRIP TO FALWETON TO DETERMINE
FEASIBILITY OF ADAPTING L-20 AIRCRAFT FOR
AERIAL SURVEYS. WERE ASSURED BY LTCOL TIGNER
IT WAS FEASIBLE. HOWEVER COL. SIMMONS STATED
THAT HELICOPTERS WOULD BE AVAILABLE FOR THESE
SURVEYS.

Holt
LT USN

CON
THIS
1306
PER

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LANL RC

30

28 APRIL 1956

CONTINUED PREOPERATIONAL PHASE PREPARATIONS

THIS IS D-1 DAY.

1300 D-DAY HAS BEEN SET BACK. MUSTER OF
PERSONNEL HAS BEEN CANCELLED.

John A
LT USN

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LAWL RG

29 APRIL 1956
OBSERVED HOLIDAY ROUTINE.

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30 April 1956

CONTINUED ROUTINE WORK. THIS IS D-2 DAY.

Hole J
LT USN

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1 MAY 1956

CONTINUED ROUTINE WORK. THIS IS D-1 DAY. C
1400 MUSTERED ALL MEN ASSIGNED THIS UNIT. ABSENT: D
NONE

F. Cole
LT USN

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LANL RC

21st - 1956

CONTINUED ROUTINE WORK. SHOT TIME WAS
DELAYED AND TODAY IS D-25

John J.
LT USN

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LANL-RC

3 MAY 1958

CONTINUED ROUTINE WORK. TODAY IS D-1 DAY
MUSTERED PERSONNEL. NO ABSENCES.

John J.
LT USN

COPIED/DOE
LANL RC

4 MAY 56

INVOLVED ROUTINE WORK

SHOT DELAYED BECAUSE OF WEATHER

THIS IS D-1-DAY

John
LT USN

COPIED/DOS
LAWL RG

5 MAY 1956

THIS IS D-DAY.

0625 A BLINDING FLASH WAS OBSERVED

AT THE NORTHERN END OF THE LAGOON

0705 PRE-ENTRY SURVEY TOOK OFF. ^{GT. MAJORS} WEAVER & FADE

0750 PRE-ENTRY SURVEY TEAM LANDED AT AIR STAIR

J-3 ANNOUNCED NO ENTRIES ALLOWED NORTH OF

STATION 1310

1300 RESURVEY (AERIAL) PARTY DEPARTED ^{MAJORS WEAVER} ^{GT. MAJORS} ^{FADE, COL. MICEY,} ^{AND LT COLE}

1630 RESURVEY PARTY RETURNED

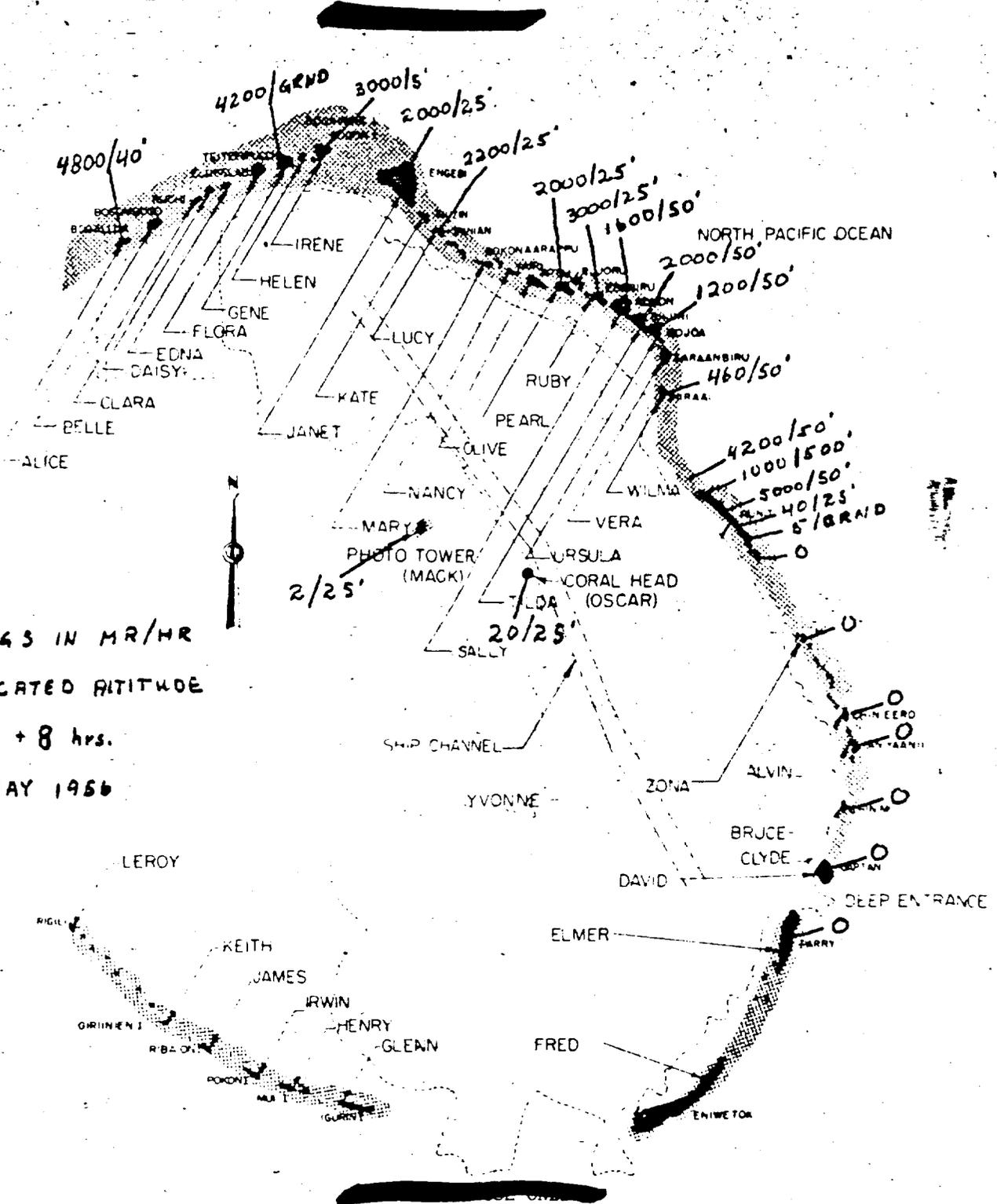
1715 ATTACHED IS VERIFAX COPY OF RADIOLOGICAL SURFACE

SITUATION MAP AS OF 1715

H. J. Cole
LT USN

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READINGS IN MR/HR
 AT INDICATED ALTITUDE
 H + 8 hrs.
 5 MAY 1956

6 MAY 1956

THIS IS D+1 DAY

0700 AERIAL SURVEY PARTY LEFT AT 0724 TO SUR-
VEY ALL ISLANDS IN ATOLL. FADE, COLE, BROBIT
+ RYAN

0900 AERIAL SURVEY TEAM RETURNED

John J
27 USN

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40

7 M 1956

This is D+2 DAY

0744 AERIAL SURVEY DEPARTED. ELMER

WEARL
BRIST,

THI

070

0916 AERIAL SURVEY RETURNED ELMER

084

Foley
LT USAF

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77

8 May 1956

THIS IS P+3 DAY

0701 AERIAL SURVEY DEPARTED ELMER JACKS, PMA1
ROOST

0840 AERIAL SURVEY RETURNED ELMER

John J.
LT USN

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LAWL RC

4 MAY 1956

CONDUCTED ROUTINE WORK

John J.
LT USN

C
1
S
F
1
G
P
S

COPIED/DOE
LANL RC

1/3

10 May 1956

CONDUCTED ROUTINE WORK
1315 MAJOR W.W. FADE WITH/LT F.M. PETERS AND
SP3 W.H. TRACHSEL DEPARTED BY HELICOPTER
FOR RADSAFE SURVEY OF ENIWETOK ATOLL.

1430 RADSAFE SURVEY HELICOPTER DAMAGED, ON
GENE, WHEN ROTOR BLADE TIPS STRUCK TELEGRAPH
POLE. NO PERSONNEL INJURED. ATTACHED IS
STATEMENT OF MAJOR FADE

Fade

COPIED/DCS
LANTL RC

Notice
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STATEMENT ON TAXI ACCIDENT ON GENE AIRSTRIP, ENIWETOK ATOLL, M.I.

At approximately 1400 hours while making a Rad-Safe survey of the Eniwetok Atoll, I directed Lt. Sancton to set his aircraft down on the Gene airstrip. I desired to make a ground reading and to monitor one of the vehicles adjacent to the strip whereby I could determine the feasibility of an evacuation schedule to Elmer for these vehicles. After Lt. Sancton landed on the strip, I informed him I wished to check the vehicle adjacent to the dispatchers tent. Lt. Sancton then taxied his craft onto the pad in front of the dispatchers tent. In doing so he struck the creosoted pole in front of the tent with the tip of his rotor blades. Following this he radioed for another craft, secured his own aircraft, and collected the pieces of rotor blade knocked off in striking the pole. Upon arrival of the second craft, we were all evacuated to Elmer. Members of my unit accompanying me were 1st Lt. F. N. Peters and SP 3 W. H. Trachsel whose statements are attached.

WALTER W. FADE
Major CB

COPIES
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45

11 MAY 1956
CONTINUED ROUTINE WORK

John J.

46

12 MAY 1956

CONTINUED ROUTINE WORK.
OBSERVED HOLIDAY ROUTINE FOR HALF THE
SECTION.

H. G. ...

15 MAY 1958

CONTINUED ROUTINE WORK.

OBSERVED HOLIDAY ROUTINE FOR HALF THE
SECTION

J. B. J.

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LANE RC

48

14 AY 1956

CONTINUED ROUTINE WORK

Flora J.

COPIED/DOE
LANL RG

15 MAY 1966

CONTINUED ROUTINE WORK

CONDUCTED ONE HALF DAY MONITORS COURSE

ATTENDANCE AS PER ATTACHED LIST

J. Wolf

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LANL RC

ONE-HALF DAY MONITORS COURSE

MAY 15 1950

SCHNEIDERMAN, R. C.	TU-5, EG&O
HOLMQUIST, W.	TU-5, EG&O
DEANE, W. A.	TU-5, EG&O
BARRETT, J. J.	TU-5, EG&O
SULLIVAN, R. H.	TU-5, EG&O
HART, W. H.	TU-5, EG&O
POLESVOY, S. V.	TU-5, EG&O
HATCH, C. S.	TU-5, EG&O
FILTZ, J. F.	TU-5, EG&O
THOMPSON, D. G.	TU 7.5, H & N
VAN GUNDT, F. L.	TU 7.5, H & N
CHAMBERS, W. W.	TU 7.5, H & N
CHANEY, Walter	TU 7.5, H & N
McIVER, Austin	TU 7.5, H & N
HEYWOOD, H. W.	TU-5, EG&O
BLINK, R.	TU-5, EG&O
BUNKER, F. J.	TU-5, EG&O
BIGGART, N. B.	TU-5, EG&O
DEISZ, Don	TU 7.5, H & N
EDWARDS, George S.	TU 7.5, H & N
GILMORE, John L.	TU 7.5, H & N
KINGSTON, Richard L.	TU 7.5, H & N
BOAZ, R. O.	TU-5, EG&O
REED, W. L.	TU-5, EG&O

COPIED/DOE
LANE RG

16 July 1956
Continued routine work

H. J.

COPIED/DOE
LANL RC

17 May 1956

Continued routine work

Hobbs

COPIED/DOE
LANL RC

CL

53

18 May 1956

Continued routine work

Holf

COPIED/DOE
LANL RC

19 May 1956

Continued routine work.

Observed holiday routine for one-half of section

Hobbs

COPIED/DOE
LANL RC

20 May 1956

Continued routine work

Observed holiday routine for one-half of
section

Hoole Jr.

COPIED/DCE
LANL R

21st May 1956

Continued routine work.

Today is C-Day

0551 A bright flash was observed in
the eastern sky.

Wolf

COPIED/DOE
LANL RC

27 May 1956

Continued routine work

Today is 2717, E-2

C+1

Anticipated Officer losses by return of Z1,

Departure date Eniwetok by air 25 May;

Major Walter Fade, C.E.

Capt. John SUGG, USAF

1st Lt. John L. Mudgett

Civilian

COPIED/DOE
LAIL RC

23 May 1956

Continued routine work

H. J. Mudgett
1st Lt, Cml. C

Addition:

Major W. Fadle
Capt Sugg

} dropped from Morning Report
as returned to Duty Station

H. J. Mudgett
1st Lt, Cml. C.

COPIED/DOE
LANL RC

24 May 1956

Continued Routine work

1800
~~2000~~
hrs.

Declared the following islands non-readers
but requiring mission film badges

Ruby, Sally, Tilda, Ursula, Vera

105 Mudgett

15+ Lt. Cml. C.

COPIED/DOE
LANL RC

60

5 May 1956

Continual routine work

1/LT R. REIDINGER USA and 1/LT J. S. MUGGETT

USA DEPARTED FOR ZI.

Forle J
LT USN

6
7
8

COPIED/DOE
LANL RC

60

MAY 1956

CONTINUED ROUTINE WORK
TODAY IS Y-2 AND Z-2
OBSERVED HOLIDAY ROUTINE FOR 1/2 OF SECT.

John J

COPIED/RE
LANL RG

62

May 1956

OBSERVED HOLIDAY ROUTINE FOR

1/2 OF SECTION

TODAY IS Y-1 AND Z-1

MAJ JACKS DEPARTED FOR BIRMINGHAM

John

COPIED/DOE/1
LANL RC

63

28 Viny 11-0
TODAY IS , AND 2 DAY

0556 A BLINDING FLASH WAS OBSERVED
IN THE SKY TO THE NORTH EAST.

0756 A BLINDING FLASH WAS OBSERVED
AT THE NORTHERN END OF ENIWETOK ATOLL

0839 THE PRE-ENTRY AERIAL SURVEY DEPARTED
ELMER AIR STRIP. MAJOR WEAVER, LTJG BROOST
AND 2/LT MILLOTT.

1008 PRE-ENTRY SURVEY PARTY RETURNED TO
ELMER AIRSTRIP.

F. Cole Jr

COPIED/DGE
LANL RC

604

29 MAY 1956

THIS IS Y+1

CONDUCTED ROUTINE WORK
CONDUCTED GROUND SURVEY OF URSULA COM-
PLEX. STAKED OUT 100 M/HR LINE AND SET
UP CHECK POINT ON THIS LINE

J. G. L.

Co.
T-1

COPIED/DOE
LANL RC

COP
LAY

175

30 MAY 1956.

CONTINUED ROUTINE WORK.

THIS IS E-1

J. Gold

COPIED/DOE
LANL RC

late

31 MAY 1956

THIS IS E-DAY

0615 A BLINDING FLASH WAS OBSERVED IN THE
NORTHERN END OF THE LAGOON.

0730 PRE-ENTRY AERIAL SURVEY PARTY DEPART-
ED ELMER AIR STRIP BY HELICOPTER. MAJOR
WEAVER, GAELLEN FELT, LTJG BROBST AND
2/LT MILIOTES

0840 PRE-ENTRY AERIAL SURVEY RETURNED.

0930 SENT OUT AERIAL SURVEY PARTY TO SURVEY
UPPER ISLANDS OF ENIWETOK ATOLL (GENE, JANET
TILDAD) 1/LT SUMME, 2/LT MILIOTES AND JOHN
KNAPP (CIV).

1229 PARTY DEPARTED TO CONDUCT AERIAL SURVEY
OF YVONNE. MAJOR WEAVER, LTJG BROBST,
1/LT'S MORGAN AND RYAN.

1300 AERIAL SURVEY PARTY RETURNED

John
LT USAF

COPIED/DO
LANL RC

1 JUNE 1956

THIS IS E+1 DAY

0700 AERIAL SURVEY DEPARTED. LT COLE
AND LTJG BROBST

0745 AERIAL SURVEY PARTY RETURNED

0835 MONITOR PARTY DEPARTED TO CONDUCT
GROUND SURVEY OF NORTHERN AND SOUTHERN
ENDS OF YVONNE

1215 GROUND SURVEY PARTY RETURNED

Holt
LT USN

APPENDIX

0730 AERIAL SURVEY PARTY DEPARTED. MAJOR-
JACKS, 1/2LT RIAN, 1/2LT MORGAN Holt

COPIED/DOE
PAUL RC

68

2 JUNE 1956

CONDUCTED ROUTINE OPERATIONS

J. H. J.

APPENDIX

0730 AERIAL SURVEY PARTY DEPARTED. MAJOR JACKS
1/LT RYAN, 1/LT MORGAN

0830 AERIAL SURVEY PARTY RETURNED

J. H. J.
27 USN

COPIED/DOE, 1
LANL RC

3 JUNE 1956.

CONDUCTED ROUTINE OPERATIONS

J. G. J.

APPENDIX

0740 AERIAL SURVEY PARTY DEPARTED.

MAJOR JACKS, 2T COLE, 2/LT MILIOTES.

0850 AERIAL SURVEY PARTY RETURNED

COPIED/DOE
LANL RC

4 JUNE 1956

CONDUCTED ROUTINE OPERATIONS

Hol J
LT USN

COPIED/DOE
LANL RC

77

ALPHA INCIDENT

FOR PER LOG.

On 28 May at 1620 Lt. Miliotes was informed that someone was interested in finding out Rad Safe tolerances for alpha radiation. He was instructed to call Col. Pinson at a Fred number.

Lt. Miliotes talked to the colonel for several minutes and gave him the following information:

- 1) Contaminated surface - 500 cpm or more.
- 2) Air contamination $8d/m/m^3$ air.
- 3) Wear respirator if in doubt.
- 4) He did not know the figures for total body burden.
- 5) He would help if they wanted him to monitor the equipment that was contaminated.

Col. Pinson remarked that he was going to monitor the aircraft himself and that no help was needed. He wanted to know how large an area should be swiped for a swipe sample. Lt. Miliotes could not satisfy him on this point or on the point as to what constituted a total body burden for alpha. The colonel said he would try other sources for the unanswered questions.

It should be emphasized at this time that this is the only time that TU-7 was officially called in on this question. Everything that follows in this report was TU-7's attempt to get the facts straight and to help if possible.

On 29 May, Mr. Cy Schlaer of LASL came in and said that he had heard that TU 7.4 was having a big problem with alpha contaminated aircraft and that they may need help. Lt. Ryan called Capt. Nichols at TU 7.4 and he was told that they got readings of 500 cpm and 1500 cpm off swipes on the aircraft. Capt. Nichols said he was satisfied with these readings and was not worried.

A little later that morning Lt. Jameson, TU 7.4 Rad Safe, called and said that they were considering taking urine samples from the people exposed to these aircraft. He wanted to know if TU-7 could process them. He was told that TU-7 did not have the facilities for this but that the samples could be sent to LAL and processed there. This was finally dropped when Capt. Nichols decided that no urine samples will be taken.

At about 1300 on 29 May, Mr. William Kennedy of H Division, LAL, came to TU-7 and said that he had heard various rumors about alpha contaminated aircraft. At this time he offered his help as an advisor if needed. He called Col. Pinson but was unable to reach him. He finally talked to Lt. Jameson. After the phone conversation Mr. Kennedy said that he was satisfied that there was very little to worry about.

COPIED/DOE
LANL RC

72

On the 29th of May two (2) TU-7 monitors were sent to the shot island to make a general survey (beta-gamma). They also took a converted thyac and were unable to detect any alpha contamination at 300 ft. from ground zero. They were unable to go any closer to ground zero due to the beta-gamma dose rate.

Several people were in close to ground zero on 30 May and their booties were checked for alpha contamination. These booties showed readings between 600 - 800 cpm on the thyac. A survey performed on 3 June showed very little alpha contamination (200 cpm in places).

ⓐ

COPIED/DOE
LANL RC -

43

5 JUNE 1956

CONDUCTED ROUTINE OPERATIONS

THIS IS S-1 DAY

Holl
LT BSN

JUNE 1956

THIS IS S DAY

1255 AN EXPLOSION WAS OBSERVED AT THE
NORTHERN END OF THIS ATOLL

1359 PRE-ENTRY SURVEY DEPARTED ELMER AIR-
STRIP. CALEEN FELT, MAJ. JACKS, LTJG BROBST,
1/1LT MORGAN

1450 PRE-ENTRY SURVEY RETURNED

Holt
LT USN

COPIED/DOE
LAVL RC

7 JUNE

THIS IS SAT. DAY

CARRIED OUT "ROUTINE OPERATIONS"

0700 AERIAL SURVEY DEPARTED. MAJOR WEAVER

LT COLE, 1/LT. RYAN, 2/LT. CLINE

0755 AERIAL SURVEY RETURNED

John

COPIED/DOE
LANL RQ

74

8 JUNE 1953

CARRIED OUT ROUTINE OPERATIO

0718 AERIAL SURVEY DEPARTED ELMER AIRSTRIP

1/1LT SUMME, SP2 KILGORE, SP3 CONDON, PFC BLAIR

0815 AERIAL SURVEY RETURNED

LTJG D. LIER ARRIVED AT ELMER FROM
BIKINI.

J. H. J.
LT USN

COPIED/DOE
LANL RC

77

9 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS
1000 AERIAL SURVEY TEAM DEPARTED ELMER
AIRSTRIP. LT COLE, 2/LT CLINE, SP3 FELD -
KIRSCHNER

1115 AERIAL SURVEY TEAM RETURNED.

960h
LT USN

COPIED/BOE
LANL RG

10 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

Holly J

COPIED/DOE
LANL RC

JCT

11 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

Bob J
LT OSN

COPIED/DOE
L&L RG

12 JUNE 1956

THIS IS B AND F DAY.

0626 AN EXPLOSION WAS OBSERVED IN THE
NORTHERN END OF ENINETON ATOLL AND
A BRIGHT FLASH WAS OBSERVED IN THE EAST-
ERN SKY.

0754 PRE-ENTRY SURVEY DEPARTED ELMER AIR.
STRIP. DUNCAN CURRY, MAJ. WEAVER, LTJG BRABST &
2/LT CLINE.

0850 AERIAL SURVEY PARTY RETURNED TO ELMER

1100 AERIAL SURVEY PARTY DEPARTED ELMER
TO CONDUCT SURVEY OF TARGET CIRCLE ON YIELD

1225 AERIAL SURVEY PARTY RETURNED TO ELMER

Stoltz
LT USN

THIS
CAR
1300
110

COPIED/DOE
LANE RG

JUNE 1956

THIS IS K-1 DAY

CARRIED OUT ROUTINE OPERATIONS

1300 MADE SIGHT MUSTER OF TU7 PERSONNEL
NO ABSENTEES

John J.
LT USN

COPIED BY
LANL RC

14 JUNE 1956

THIS IS IT DAY

CARRIED OUT ROUTINE OPERATIONS

1126 AM EXPLOSION WAS OBSERVED IN THE
NORTHERN END OF ENWISTON ATOLL

1230 PRE-ENTRY AERIAL SURVEY PARTY DEPARTED
ELMER AIRSTRIP. MAJOR JACKS & LTJG BROBST

1320 PRE-ENTRY SURVEY PARTY RETURNED

Holly

15 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

Holl
LT USN

PASTE

T

21

COPIED/DOE
LANL RG

84

16 JUNE 1956

THIS IS O DAY

CARRIED OUT ROUTINE OPERATIONS.

0750 SHOT TIME HAS BEEN POSTPONED TO
1302.

1314 AN EXPLOSION WAS OBSERVED IN THE
NORTHERN END OF ENIWETOK ATOLL.

1350 PREENTRY AERIAL SURVEY DEPARTED ELMER
AIRSTRIP. G. FELT, L. CHELIUS, 1LT RYAN.

1450 PRE-ENTRY SURVEY PARTY RETURNED

John J

COPIED/DQE
LANL RC

85

17 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS
DSSO MAJOR G. JACKS, USA, CTU 7, DEPARTED
FOR BIKINI.

John J

COPIED/DOE
LANL RC

18 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS.

THIS IS D-1 DAY.

John J.
LT USN

COPIED/DOE
LANL RC

87

19 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

THIS D-2 DAY

Holly
LT 0517

COPIED/DOE
LANL RC

20 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

JGCA
LT USAF

COPIED/DOE
LANL RC

21 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

THIS IS D-1 & I-1 DAY.

John J.
LT USN

COPIED/DOE
LANL RC

22 JUNE 1956

THIS IS D V I DAY.

0700 PARADE HAS BEEN POSTPONED.

0800 DN EXPLOSION WAS OBSERVED IN THE
NORTHERN END OF ENIWETOK ATOLL

1107 PRE-ENTRY AERIAL SURVEY DEPARTED ELMER
AIRSTRIP. DWAYNE SENELL, MAJOR JACKS, LT COL

1125 PRE-ENTRY AERIAL SURVEY PARTY RETURNED

2600
LT USAF

0730

0800

213

51

07

00

05

55

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T

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24

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P.

S.

P.

P.

COPIED/DOE
LANL RQ

COPIE
LANL

<u>NAME</u>	<u>RANK</u>	<u>SERIAL NUMBER</u>
John W. Kinch	Civ	
David L. Rigotti	Civ	
James L. Tarbox	Civ	
Philip W. Kuey	Civ	
John H. McNeilly	2d Lt.	04037357
George B. Rock	SP3	US53246072
Henry A. Wood III	PFC	US51327281
Peter J. Bivittse	PFC	US51338047
John R. Lopic	PFC	US52321540
Anthony J. Verbiscar	PFC	US55521954

<u>NAME</u>	<u>RANK</u>	<u>SERIAL NUMBER</u>
John W. Kinch	Civ	
David L. Rigotti	Civ	
James L. Tarbox	Civ	
Philip W. Kusy	Civ	
John H. McNeilly	2d Lt.	04037357
George B. Mook	SP3	US53246072
Henry A. Wood III	PFC	US51327281
Peter J. Tsvitse	PFC	US51338047
John R. Dapic	PFC	US52321540
Anthony J. Verbiscar	PFC	US55521954

23 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

0735 AERIAL SURVEY PARTY DEPARTED ELMER

0815 AERIAL SURVEY PARTY RETURNED. COL. LOCKE

LT COLE, 2/LT MILICIES AND THORNBROUGH

2130 MAJOR G. L. JACKS, USA, CTU 7 WAS IN

FIGURED, BY TELEPHONE, BY CAPT C LUKE, U

OF PROJ. 251, THAT A PLUTONIUM SPILL

OCCURRED AND THAT SEVERAL OF THE COOPER

PERSONNEL HAD BEEN EXPOSED. FEET AND

WERE MONITORED. IT WAS REQUESTED THAT

A CHECK BE RUN ON THESE PERSONS AND

THEIR TENT AREAS. PERSONNEL WERE MONI

TORED AND TEN (10) WERE FOUND TO BE CON

TAMINATED WITH PLUTONIUM. THESE TEN WERE

SENT TO THE PERSONNEL DECONTAMINATION

STATION AND WERE FURNISHED BOTTLES

WHICH TO COLLECT 24 HR URINE SAMPLES.

TENTS WERE MONITORED, WERE FOUND TO BE

CONTAMINATED AND THE FOLLOWING ITEMS WERE

CONFISCATED FOR DESTRUCTION: 46 SHIRTS, 20

PILLOW CASES, 3 COTTON MATTRESSES, 4 INFLAT

SPRING MATTRESSES AND 4 PILLOWS. LIST OF

PERSONS FOUND TO BE CONTAMINATED IS

ATTACHED

H. C. /
LT OSBY

94

24 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS.

THE FLOORS OF THREE TENTS OF PROJ. 251

PERSONNEL WERE DECONTAMINATED BY TV 7

AND H & N PERSONNEL. IN ADDITION THE

TABLES AND CHAIRS IN THE MESS HALL WERE

VERY THOROUGHLY SURVEYED AND NO ALPHA

CONTAMINATION WAS FOUND TO EXIST.

John J.
LT USN

COPIED/DOE
LANL RC

COPIED/
LANL R

25 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS.

0756 AERIAL SURVEY PARTY DEPARTED ELMER
AIRSTRIP. 1LT PETERS, SFC GAINES, PVT LAWS,
SP3 TRACHSEL AND BOB GRAVESON (CIV).

0842 AERIAL SURVEY PARTY RETURNED.

H. G. A.

27 USH

27 JUNE 1956

CONTINUED ROUTINE OPERATIONS

0750 AERIAL SURVEY PARTY DEPARTED ELMER AIRSTRIP. LT F. COLE R. W. TAFT (CIV) & R. GOEKE (CIV)

0855 AERIAL SURVEY PARTY RETURNED.

0910 INSTRUMENT CALIBRATION PARTY DEPARTED ELMER AIRSTRIP.

1020 INSTRUMENT CALIBRATION PARTY RETURNED

9600
LT OSN

COPIED/DOE
LANL RC

OE

98

28 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

1330 MAJOR C. L. WEAVER RETURNED FROM BIKINI ON
THE MORNING "REFLECTOR" FLIGHT

CAS

File J
27 USN

COPIED/DOE
LANL RQ

27 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

Holly

COPIED/DOE
LANL RC

30 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

John
LT JSM

CK
TW

COPIED/DOE
LANL RG

COI
LAN

1 JULY 1956

CARRIED OUT ROUTINE OPERATIONS

THIS IS H-1 DAY

John
LT USN

COPIED/DOE 1
LANL RC 1

102

2 JULY 1956

THIS IS H DAY & M-1 DAY

OBIL HURDY HAS BEEN POSTPONED

CARRIED OUT ROUTINE OPERATIONS

Foley

060

072

08

08

10

10

11

13

COPIED/DOE
LANL RG

COPIE
LANL

- July 1956

0606 MOHAWK WENT

0720 Commenced checking for fall-out using T.B &
MX5

0807 Meters indicate a fall-out of 4 mr/hr, Y

0845 Meters indicate a fall-out of 22 mr/hr, Y

1005 PRE-ENTRY COPTER SURVEY AIR BORNE, Felt, Jacks,
Cole, NW, WOOD

1005 Meters indicate a fall-out of 12 mr/hr, Y

1120 Pre-entry copter survey returned

1355 AERIAL SURVEY DEPARTED ELMER
AIRSTRIP. LT F. COLE 1/LT PETERS,
2/LT MILIOTES & R. GOEKE

John J.

4 JULY 1956

CARRIED OUT ROUTINE OPERATIONS

0900 AERIAL SURVEY PARTY DEPARTED

0720

LT BROBT, CAPT FARMER, L. CHELUS,
R. GOETE.

0830

1015 AERIAL SURVEY PARTY RETURNED

1330

Hobbs

5 July 1956

0722 Aerial survey party departed St Peter, St Skillern,
St Milites,

0830 Aerial Survey Party returned

1830 1/LT. L.F.X. RYAN ARRIVED FROM BIKINI.

Hole
LT USN

COPIED/DGE
LANL RG

106

JULY 1956

CARRIED OUT ROUTINE OPERATIONS

1240 1LT. L.F.X. RYAN AND 2LT. J.V. BOYLES

REPORTED FOR BIKINI

Phob
LT USN

7
C
0
8

COPIED/DGE
LANL RC

500

7 JULY 1956

THIS IS A-1 DAY

CARRIED OUT ROUTINE OPERATIONS

0745 CAPT B. PURCELL, USA DEPARTED FOR
BIKINI.

HP Gacked
Maj USA

COPIED/DOE
LATE RC

8 July

A cancelled at 0530 hrs
Carried out routine duties
Today is A-1

J.P. Jackson
Maj USA

COPYRIGHT
1970

9

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9 July

Apache fired at 0606 hrs.

Pre-entry survey dtd 1002 hrs, returned
1058 - Dr Sewall, Maj Jacks, Lt Taylor
aboard. Chopper contaminated on
survey.

Detained survey dtd 1350, returned
1525 - Major Jacks, Mr. Gocks, Lt.
Willoughby aboard.

Carried out routine duties.

J. E. Jacks
Maj USA

10 July

Helicopter survey party departed at 0717, returned at 0820 hrs - Col Lucka, Mr Chalins, Mr Coake, Lt Miliotas aboard.

Carried out routine duties.

J. Coake
Maj. USA

COPIED/DOE
LANL RC

11 July

Helicopter survey departed
at 0700, returned at 0850⁰⁰ - Lt.
Brobst, Lt Taylor, Sgt Gaines, Mr.
S. Curry aboard.

Special survey (helicopter)
conducted by Major Jacks at
Cane and Crater 1035-1100,
11:15 - 1200.

Carried out routine duties

Jacks
Maj USA

12 July

Carried out routine duties

10

J. P. Jacks
Maj USA

COPIED/DOE
LANL RC

COPIED
LANL

13

14 July

Carried out routine duties.

0825 Helicopter survey departed with
Lt. Cole, Lt. Militari, Mr. H. Burris
and SP-3 Dale Briner aboard.
Returned at 0920.

William Willoughby
20 Lt, USA

075

COPIED/DOE
LANL RG

COPI
LANL

13 July.

Carried out routine duties.
1024 Helicopter survey departed with
Mr R. Teft and SP. 3 P Zimmer
aboard. Returned at 1130.

Leo H. Chelius

COPIED/DOE
LAWL RG

15 July

Carried out routine duties.

0750 Mr. L. Chelius, Mr. Besemer, and Mr.
Halcy departed on a boat survey.
Returned at approx. 1445.

William Wiloughby
2d LT, USA

COPIED/DOE
LANL RC

6 July

Carried out routine duties.
0802 Helicopter survey departed with
Lt Milliot, Lt Willoughby and
Mr. P. Endres aboard. Returned
at 0905.

William Willoughby, II
2d LT, USA

ADDENDA

1615 Theodore A. Crawford, JG, and
Roy N. Dunsaway, TU7, departed
Elmer by helicopter for the reef
near Station 7 on Yvonne. It
approximately 2200 hrs it was
discovered by TU7 personnel that
the party had not arranged for
return transportation. It was
decided by J3 and TU7 to leave
the party on Yvonne overnight
and pick them up by
helicopter on the morning of
17 July 1956.

William Willoughby, II
2d LT, USA

COPIED/DOE
LANL RC

08

09

110

17 July

Carried out routine duties.

0813 Theodore A Crawford, T6, and
Ray D. Duraway, T07, returned
from Yonine. (See log of 16 July)

0900 made muster of T07 Personnel
PFC B.G. Dyer absent.

1100 PFC B.G. DYER REPORTED HAVING BEEN
AT DENTIST AT TIME OF MUSTER.

Leo G. Chelms

COPIED FOR
LANL RC

July 18.

Carried out routine duties

1050 Helicopter Survey departed
with Lt. Cole, Sp 3 B. Weigel and Pte B. G. Dyer
aboard. Returned at 1152.

Today in T-2 and H-2.

William Willoughby, III

2d LT, USA

COPIED/DOE/3
LANL RG

July 19

Today is T-1 and H-1

Carried out routine duties:

09 24 Major G. Jackson and Mr L. Collins
departed for station 10 by helicopter.
Returned at 1220. Muster was held
at 1420. all present except Mr. Haley.
Mr. Haley was at Fred during muster
and reported in upon his return.

William Willoughby
20 RT, USA

COPIED/DOE
L-11 88

July 20

T and H were postponed. Today is T-1 and H-1
Carried out routine duties.

William Willoughby

2d Lt, USA

H

0

14

6

1

1

19

2

COPIED/DOE
LANL RC

CO
LAN

July 21

It has been postponed. Today is T Day and H-1.

0546 a bright flash was observed in the eastern sky.

1600 Observed commencement of fallout from the Bikini shot at a level of 10-20 mc/hr.

1700 Fallout increasing to 50 mc/hr

1900 Fallout holding steady at 100-120 mc/hr

2300 Fallout still steady at 100-120 mc/hr

William Willoughby II

20 LT, USA

COPIED/CC
LEWIS RC

July 22

Huron fired at 0616 hours.

0839 Helicopter survey party departed with Maj. Jacks, Helen Felt and Lt. Cole aboard. Returned at 0925.

0900 Fallout still constant at 100-120 m/hr

0920 Fallout dropped to 60-80 m/hr after heavy rain.

1600 Fallout dropped to 50-60 m/hr
William Willoughby
20 KT, USA

COPIED BY
LANL RC

COPIED
LANL

July 23

Carried out routine duties.

0630 Fallout dropped to 35-45 m/hr.

0710 AERIAL SURVEY DEPARTED. LT. F. COLE,
2/LT W. WILLOUGHBY, II, D. J. BESCHER, CIV & R.S.
COLEMAN, CIV

0925 AERIAL SURVEY PARTY RETURNED.

1030 Fallout reading 30-35 m/hr

William Willoughby II
2/LT, USA

COPIED/DOE
L/NL RC

July 24

Carried out routine duties
0835 Helicopter in party departed
with Col Lucke, Lt. Willoughby
and Mr. E. C. Anderson, U.S.P.H.S.,
aboard. Returned at 0935.

William Willoughby
20 LT, USA

COPIED/BJE
LANL RC

125

25 JULY 1956

CARRIED OUT ROUTINE DUTIES.

Mr. Haley made rad-safe survey on Sally
and Yvonne by helicopter.

Leo M. Chelius

COPIED/DOE
LANL RC

2 July 1956
Carried out Routine Duties

Williams Willoughby II

2d LT, USA

COPIED/DOE
L. IL RC

2 July 1956

Carried out routine duties.

~~0820~~

0825 Aerial survey departed by
helicopter with 1st Lt A. Millister, Mr.
L. Chelius, Civ, and Mr. R. Jacobs, Civ, aboard.
Returned at 0951.

1530 Aerial survey departed by
helicopter with Maj. Jacks, 1st Lt Millister
and Lt. Brobst aboard. Returned at 1600.

William Willoughby
2d LT, USA

COPIED/1956
LAWL FC

28 July 1957

Continued routine duties.

William W. Longley

ad LT; USA

COPIED/DOE
LAWL RG

COPIED/DOE
LAWL RG

29 July 1956

Observed holiday routine (see 31-2)

William H. Longley Jr

24 RT, USA

COPIED/DOE
LANL RC

COPIED/DOE
LANL RC

130

3 July 1956

Continued routine duties.

0900: Helicopter survey departed with
Major G. Jacks and ~~S. H. M.~~ 1st Lt H. Millote
aboard. Returned 1010.

Leo M. Chelius

Cor

COPIED/DOE
LANL RC

COPIE
LANL

130

21 July
Continued routine duties

William Willoughby

26 KT, USA

COPIES/DCE
LAIL RD

21

1 August

Continued routine duties.

0909 Aerial survey departed by
helicopter with Major & Piche,
1st Lt. H. Milites and Lt. Ryan, and 2nd
Lt. Taylor aboard. Survey party returned
1019.

1320 Sample recovery and survey party
departed by helicopter with Lt. Milites,
Lt. Taylor aboard. Returned at 1500.
Lt. A. Chelius

COPIED/DOE
LANL RG

COPIED
LANL B

132

August

1010 Sample recovery and survey party departed by helicopter for Yvonne with Maj. Jacks aboard. Returned at 1040.

1135 Sample recovery and survey party departed by helicopter for Yvonne with Maj. Jacks aboard. Returned at 1205.

William W. Thoroughly

P.O. Box 1, USA

August
continued routine duties.

0904 Aerial survey departed by
helicopter with 1st Sgt LFX Ryan,
H. Milster and 2nd Sgt W. Taylor and
C. Diesterfeld aboard. Returned at
~~1040~~¹⁰⁴⁰ Survey party landed on Fred
at 1040. Survey party departed Fred
at 1100. Returned at 1105 less
1st LT LFX Ryan and 2d LT C. Diesterfeld
who disembarked at Fred.

1100 Aerial survey departed by heli^{copter} L-20
from Fred with 1st LT LFX Ryan and
2d LT C. Diesterfeld aboard. Returned
Elmer at 1134.

1315 Aerial survey departed by helicopter
with Maj. Jacks and Lt Milster aboard
Returned at 1639.

Leo G. Chelius

COPIED/DOE
LANL RC

139

4 August 1954

Carried out normal routine duties.
TU7 secured as of this date. Rad Safe
control turned over to AEC.

Leo G. Chelms

1 COPIED/RS
LANL RS

13/6