

- REDWING

410927

Rad Safe Operations Log Book

TG 7.1 - TU-7

R

Emmett Atoll

P.P.O.

13 April 1956 - 4 August 1956

RG 326 US ATOMIC ENERGY

COMMISSION F-23

Location **LANL** B-195

Collection Records Center

Folder REDWING LOG BOOK

PLOTTING + BRIEFING

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LANL RC

ORGANIZATIONAL CHART FOR TU-7

TU - 7 Headquarters

CTU-7	Major Jacks
CC - 1st RC U	Major Wesver
Operations Sgt	SFC Gaines
Administration Clerk	SF3 Briner
Supply Officer	Major Cannity
Supply Sgt	SFC Glasen
Supply Clerk	SF3 Harrod
D & R Officer	Capt Purcell
D & R NCO	SF1 Powell, A.

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ENLISTED

✓ Officer in Charge

Major Fado

Control Point (Ferry Island)

✓ Rad Control Officer

LT Cole

USN

✓ Rad Control Officer

LTJG Probst

USN

✓ Rad Control Officer

1 Lt Peters - 1st Lt

✓ Rad Control Officer

1 Lt Hudgett

✓ Rad Control Officer

1 Lt Ryan

USN

✓ Rad Control Officer

2 Lt Skillema MILLISTES

Control Point (Fred Island) with 4926th Test Sqn

Rad Control Officer

Capt Suggs

USAF

Rad Control Officer

1 Lt Morgan

USAF

Rad Control Officer

1 Lt Summe

USAF

Control Point (Ferry Island)

✓ Monitor

SF1 Lau

✓ Monitor

SF2 Filgore

✓ Monitor

SF3 Schneider, S.

✓ Monitor

SF3 ~~Schmidt~~ DYER

✓ Monitor

SF3 Corey

✓ Monitor

Pvt Williams

✓ Monitor

Pvt Hamilton

✓ Monitor

SSGT Olson

USAF

✓ Monitor

SSGT Frost

USAF

Monitor

✓20 Willey

USAF

Monitor

✓30 West

USAF

Monitor

Chum

Civ

Monitor

Dunlavy

Civ

Monitor

Gilbert

Civ

Monitor	Hales	Civ
Monitor	Healey	Civ
Monitor	Johnson	Civ
Monitor	Kearns	Civ
Monitor	Knapp	Civ

Photo Dosimetry

D & R Officer	1 Lt Faoletti	
Asst. D & R Officer	2 Lt Boyles	
Photodosimetry Technician	SP2 Stout	
Photodosimetry Technician	SP3 Sandoval	
Photodosimetry Technician	SP2 Tobey	
Photodosimetry Technician	PFC Azukus	
Photodosimetry Technician	PFC Benjamin	
Photodosimetry Technician	PFC Diamond	
Photodosimetry Technician	Pvt Duce	
Photodosimetry Technician	Pvt Harris	
Photodosimetry Technician	Pvt Holt	
Photodosimetry Technician	Pvt Kane	
Photodosimetry Technician	Pvt Smith, Leo	
Photodosimetry Technician	Pvt Stetser	
Photodosimetry Technician	Pvt Tiffany	
Photodosimetry Technician	Pvt Veprek	
Photodosimetry Technician		M & N
Photodosimetry Technician		F & N

Instrument Repair

Instrument Repair Technician	SP2 Bullard
Instrument Repair Technician	SP3 Timmers
Instrument Repair Technician	SP3 Weigel

ED/DOE
LANL RQ

Counting Laboratory

Laboratory Officer

LT Lier

USN

Laboratory Technician

HM2 Dietz

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

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, DOSIMETER
AND RECORDS, CALIBRATION OF RADIAC INSTRUMENTS, RE-
CEIPT, INVENTORY AND STOWAGE OF RADSAFE CLOTH-
ING AND EQUIPMENT.

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

J. K. [unclear]
LT USA

1000000000
1000000000

11 APRIL 1956

0900 CONDUCTED CONFERENCE OF ALL OFFICERS
ASSIGNED TO TU 7. UPON COMPLETION OF CONFERENCE
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.

Fade
LT USN

7

A

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.

Faded signature
LT USN

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8

12 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 BARGES
TO ALL TASK GROUPS.

F65W
LT USN

7

COPIES/DOE
LAWL RGZ

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, P. R. (B)
SUPRENTANT, G. A. (B)
WILLIAMS, F. A. (B)

John
LT 1956

14 APRIL 1956

CONTINUED PRE-OPERATIONAL AND TRAINING
PREPARATIONS

Flood J
LT USN

7

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11

15 APRIL 1956

OBSERVED HOLIDAY ROUTINE

Alfred J.
LT USN

101

16 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE PREPARATIO.
0800 COMMENCED ONE-DAY AND TWO-DAY MON
ITOR COURSE FOR PROJECT MONITORS.
1150 MAJORS WEAVER AND JACKS DEPARTED
FOR BIKINI ATOLL

265
LT BN

7

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LANL RC

17 APRIL 1956

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

1730 MAJORS JACKS AND WEAVER RETURNED FROM
BIKINI ATOLL

1700 COMPLETED TWO DAY MONITORS COURSE

9604
LT 551

COFFEEHOUSE
EANL RG

74

ONE-HALF DAY MONITORING COURSE, 16 APRIL 1956

BANCROFT, Dennison

GALBOTH, J. P., H&N

MILLS, G. W., TU-3

BISCHOFF, I. P., TU-3

DONOVAN, J. P.

BURK, E. E.

HOOVER, C. H. ✓

HADDMARK, A. T., H&N

OWENS, J. C., H&N

IATOCO, K., W&H

TOMPKINS, Robert C., 2.65

HUTCHINSON, J. G., 2.65

RANKIN, Aaron M., 16

CORNER, Jerry P.,

FELTHAUSER, Harry

SAUNDERS, B. Roy Jr.

FITZHUGH, 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

FULOS, John, 13.2

BREDESTEGE, Joseph J., 8.5 & 5.8

SCHMOKE, Murray A., 2.4

SMITH, Robert J., 2.4

ONE-HALF DAY MONITORS COURSE, 17 APRIL 1956

BARKER, L. V., 8.1

BROWN, P. E., 2.10b ✓

CHEBOWERIER, E., 2.10b

BACKMAN, G. E., 2.10b

LULL, R. A., 2.10b

CONZALES, V. A., H & N

PARTI DOE, Ralph E., 16.3

LAWRENCE, David H., 16.1

ORR, Clarence W., 16.3

CONNELL, Joseph W., 16.1

MEADOWS, Ben, 16.1

JANCO, Maurice, 16.1

NOHARA, Gizo, H & N

BRANAT, R. D., H & N

WESFALL, F. O., 18

KREY, Philip W., 2.65 ✓

McNEILLY, John H., 2.65

BERMAN, Arnold, 2.65

SHAW, Everett E., 15

ESIVISE, Peter J., 2.51

JOHNSON, John J., 2.65

HARWIT, Martin, 2.51

WOOD, Henry A., 2.51

LOUIE, Henry, 2.71

RIMMERT, Heinz R., 2.71

PETERSON, Gerald A., 2.51

HOLMLUND, Gordon W., 2.71

FRENCH, Orrin A., 2.71

ECATNER, Robert E., 2.71

EASON, John R., 2.71

WONG, Kai M., 2.71

WILMOH, Arthur L., 2.71

ONE-HALF DAY MONITORS COURSE, 18 APRIL 1956

EIGGERS, W., 12

EATON, T., 12

KINCERY, C., 1.1

KESFER, J. H., 1.1

BORELLA, H. M., 4.1

STEELE, J. H., 18

MEEKS, J. E., 18

COAD, R. E., 3.1

LAPIC, J. R., 2.65

✓ BISHOP, T. H., H & N

✓ GRZER, R. R., H & N

✓ SAKANE, H., H & N

✓ RYAN, D., H & N

✓ CRANE, W., H & N

✓ LEDFORD, L. L., H & N

✓ DAVIS, T., H & N

EMERY, A. L., TU-1

✓ BABB, T. E., H & N

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TWO DAY MONITORS COURSE, 16 & 17 APRIL 1956

BROWNELL, M. H., 8.1

LAUCHRIDGE, F., 8.1

LANGENHAGEN, C. F., ~~8.1~~ 2.65

YONENAKA, H., ^{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

KEARTS, 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

FLETCHER, 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
 - c. 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 Desage 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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21

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	Photodosimetry and pocket dosimeters	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

OF

2

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

Holt
LT USN

19 APRIL 1956.

CONTINUED PRE-OPERATIONAL PHASE PREPARATIONS

1445 COMMENCED FAMILIARIZATION TOURS, BY AIR,
OF ENIWETOK ATOLL. FIRST FLIGHT: MAJOR FADK

MAJOR WEAVER, LT COLE, LTJG BROBST.

1525

FIRST FLIGHT RETURNED

1530

SECOND FLIGHT: 1/LT RYAN, PETERS, MUGGETT
2/LT MILIDTES. SECOND FLIGHT RETURNED TO
PARRY IS AIR STRIP AT 1615.

COLE
LT USN

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LANL RG

2
2

19 APRIL 1956.

CONTINUED PRE-OPERATIONAL PHASE PREPARATIONS
1445 COMMENCED FAMILIARIZATION TOURS, BY AIR,
OF ENIWETOK ATOLL. FIRST FLIGHT: MAJOR FADK

MAJOR WEAVER, LT. COLE, LTJG PROBST.
1525 FIRST FLIGHT RETURNED

1530 SECOND FLIGHT: 1/LT. RYAN, PETERS, MUDGET
2/LT. MILIOTES. SECOND FLIGHT RETURNED TO
PARRY IS AIR STRIP AT 1615.

1006
LT. COLE

1006

24

20 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE PLANNING
AND PREPARATIONS.

266 J
27 057

OPERATIONS
BY AIR,
AUGOR FADE
T.
UDGETT
URNED TO

21 APRIL 1956

CONTINUED PREOPERATIONAL PHASE PREPARATIONS

John P.
LT J.

7

CONFIDENTIAL

26

20 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE PLANNING
AND PREPARATIONS.

FLC
LT BSN

TIONS
Y AIR,
R FADE

GETT
IED TO

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LANL RC

27

21 APRIL 1956

CONTINUED PRE OPERATIONAL PHASE PREPARATIONS

Yield
LT 211

9

LAWL 30

22 APRIL 1956

OBSERVED HOLIDAY ROUTINE

J. C. [unclear]
LT USN

23 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE REPARATION
1255 MAJOR G. JACKS, USA, COMMANDER TASK
UNIT 7 DEPARTED FOR BIKINI ATOLL

Co
180
F0

9 Col J
LT USN

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LANL RG

24 APRIL 1956

714
K
CONTINUED PRE-OPERATIONAL PHASE PREPARATIONS
1800 MAJOR G. JACKS, USA, C.T. V. 7, RETURNED
FROM BIKINI ATOLL

Flot I
27 USN

9

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LAWL 70/

31

25 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.

Hoel J
LT. USN

9

COPIES MADE

20

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.)

9602 J
LT USN

9

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27 APRIL 1956

CONTINUED PRE-OPERATIONAL PHASE PREPARATIONS.

RECEIVED TWO BARREL RADIOS. MAJORS WEAVER

AND FADE MADE TRIP TO ELYWETON TO DETERMINE

FEASIBILITY OF ADAPTING L-20 AIRCRAFT FOR

AERIAL SURVEYS. WERE ASSURED BY LT COL TIGHER

IT WAS FEASIBLE. HOWEVER COL. SIMMONS STATED

THAT HELICOPTERS WOULD BE AVAILABLE FOR THESE

SURVEYS

FLC
LT USN

DOE
RC

D-1 41-6

28 APRIL 1956

CONTINUED PREOPERATIONAL PHASE PREPARATION

THIS IS D-1 DAY.

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

[Signature]
LT USN

OPERATIONS.
LEAVE
TERMINATE
FOR
OWNER
STATED
FOR THESE

29 APRIL 1956
OBSERVED HOLIDAY ROUTINE.

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30 APRIL 1956

CONTINUED ROUTINE WORK. THIS IS D-2 DAY.

John G
LT USA

COPIED/DOE
LAW 80

37

1 MAY 1956

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

9 bob h
LT USN

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20

29 APRIL 1956

OBSERVED HOLIDAY ROUTINE.

29

2 MAY 1956

DAY.

PRESENTED

CONTINUED ROUTINE WORK. SHOT TIME WAS
DELAYED AND TODAY IS D-2

Phil J
LT USN

30 APRIL 1956

CONTINUED ROUTINE WORK. THIS IS D-2 DAY.

John G.
LT USN

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LANL RC

1 MAY 1956.

CONTINUED ROUTINE WORK. THIS IS D-1 DAY.

1400 MUSTERED ALL MEN ASSIGNED THIS UNIT. ABSENTS:

NONE

9606 J
LT USN

1512700E
151110Z

2 MAY 1956

CONTINUED ROUTINE WORK. SHOT TIME WAS
DELAYED AND TODAY IS D-2

1 DAY.
ABSENTEE

John J
LT USN

00100/00E

3 MAY 1956

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

John J.
LT USN

4 MAY 1956

CONTINUED ROUTINE WORK

0105 SHOT DELAYED BECAUSE OF WEATHER

0845 THIS IS D-1 DAY

John
LT BN

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, ^{GRIFT MAJOR} WEHLEN & FA.

0750 PRE-ENTRY SURVEY TEAM LANDED AT AREA

J-3 ANNOUNCED NO ENTRIES ALLOWED NORTH OF

STATION 1310

1300 RESURVEY (GENERAL) PARTY DEPARTED ^{MARJOR WEHLEN} ^{MAJOR COL. MUR} ^{AND LT. COLE}

1130 RESURVEY PARTY RETURNED

1715 ATTACHED IS VERIFAX COPY OF RADIOLOGICAL SURFACE

SITUATION MAP AS OF 1715

FCO
41 USN

COPIED
LANL RC

6 May 1956

THIS IS DAY

0700 AERIAL SURVEY PARTY LEFT AT 0724 TO SUR-
VEY ALL ISLANDS IN ATOLL. FADU, CELE, PRODET
0900 AERIAL SURVEY TEAM RETURNED

RYAN

John J
27 UBI

SR3
FADE

STAIN

WEATHER
MISREY

AGE

1000E

7 May 1956

This is D+2 DAY

0744 AERIAL SURVEY DEPARTED. ELMER ^{WE} ₂₁₄

0916 AERIAL SURVEY RETURNED ELMER

John
LT USN

4

DE

8 May 1956

THIS IS P+3 DAY

0701 AERIAL SURVEY DEPARTED ELMER JACKS, RYAN
ROBERT

0840 AERIAL SURVEY RETURNED ELMER

John J.
LT USN

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9 MAY 1956

CONDUCTED ROUTINE WORK

Hole 1
LT SW

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LANL RC

51

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/DE
12/1/56

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 CE

11 MAY 1956

CONTINUED ROUTINE WORK

Hohl J

2

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LANL RC

54

12 MAY 1956

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

Golf

COPIED/DOE
LANL RG

55

13 MAY 1956

CONTINUED ROUTINE WORK.

OBSERVED HOLIDAY ROUTINE FOR HALF THE
SECTION

J. B. J.

2

56

14 MAY 1956

CONTINUED ROUTINE WORK

Flore J

COPIED/DOE
LANL RC

5

15 MAY 1956

CONTINUED ROUTINE WORK

CONDUCTED ONE HALF DAY MONITORS COURSE
ATTENDANCE AS PER ATTACHED LIST

J. Wolf

ONE-HALF DAY MONITORS COURSE

MAY 15 1956
57

SCHNEIDERMAN, R. C.	TU-5, E0&0
HOLMQUIST, W.	TU-5, E0&0
DEANE, W. A.	TU-5, E0&0
BARRETT, J. J.	TU-5, E0&0
SULLIVAN, R. H.	TU-5, E0&0
HART, W. H.	TU-5, E0&0
POLEVOT, S. V.	TU-5, E0&0
HATCH, C. S.	TU-5, E0&0

COPIED/DOE
LANL RG

16 May 1956
Continued routine work

RSE

H. J.

51

COPIED/DOE
LANL RC

59

59

continued outside work

John

21

1960

60

18 May 1956
Continued routine work

Holf

27

COPIED/DOE
LANL-RC

61

61

May 1956

Cont'd used routine work.

Observed holiday routine for one-half
section

Holsh

7

62

COPIED/DOE
LANL RC

62

20 May 1956

Continued routine work

Observed holiday routine for one-half of section

Flore J.

7

63

COPIED/DOE
LANL RC

63

21 May 1956

Continued routine work.

Today is C-Day

0551 A bright flash was observed in
the eastern sky.

Holf

COPIED/Doc
LANL RL

64

22 May 1956

Continued routine work

Today is LT-17, E-2

C+1

Anticipated Office Losses by return of Z1,
Departure date Enroute by air 23 May:

Major Walter Fade, C.E.

Capt. John S. G. USAF

1st Lt. John S. Mudgett
Civ. C.

COPIED/DOE
LANL RC

65

23 May 1956

Continued routine work

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

Addition:

Major W. Facle }
Capt Sugg }

dropped from Morning Report
as returned to Duty Station

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

COPIED/DOE
ASL RC

66

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.

Report
Station

COPIED/DOE
LANL RC

25 May 1956

Continued routine work

1Lt R. REIDINGER USA and 1Lt J. S. MUDGETT
USA DEPARTED FOR ZI.

Flole J
LT USN

COPIED/DOE
1956

68

26 MAY 1956

CONTINUED ROUTINE WORK

TODAY IS Y-2 AND Z-2

OBSERVED HOLIDAY ROUTINE FOR 1/2 OF SECT.

John J

COPIED/DOE
LANL-RC

109

27 May 1956

OBSERVED HOLIDAY ROUTINE FOR
1/2 OF SECTION

TODAY IS Y-1 AND Z-1

MAJ JACKS DEPARTED FOR Bimini

Foley

COPIED/DOE
CANL RC /

76

28 May 1956

TODAY IS Y AND Z 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 BROBST
AND 2/LT MILIOTES.

1008 PRE-ENTRY SURVEY PARTY RETURNED TO
ELMER AIRSTRIP.

F. Cole Jr.

21

122494

Page 72

Missing from
original

72

30 MAY 1956.

CONTINUED ROUTINE WORK.

THIS IS E-1

J. G. J.

COPIED/DOE
LANL RC

73

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, GAELAN 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 RYANI.

1300 AERIAL SURVEY PARTY RETURNED

Holl
LT USN

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 JIN

APPENDIX

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

COPIED/DOE
LANL RC

2 JUNE 1956

CONDUCTED ROUTINE OPERATIONS

[Signature]

APPENDA

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

0830 AERIAL SURVEY PARTY RETURNED

[Signature]
27 USN

COPIED/DOE
LANI

76

3 JUNE 1956-

CONDUCTED ROUTINE OPERATIONS

J. G. J.

APPENDIX

0740 AERIAL SURVEY PARTY DEPARTED.

MAJOR JACKS, LT COLE, 2/LT MILIOTES.

0850 AERIAL SURVEY PARTY RETURNED

27

RECEIVED
1956

77

4 JUNE 1956

CONDUCTED ROUTINE OPERATIONS

Hol J
LT USN

COPIED/DOE
LANL RC

78

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 TG 7.4 was having a big problem with alpha contaminated aircraft and that they may need help. Lt. Ryan called Capt. Nichols at TG 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, TG 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 LASL 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, LASL, 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.

COMMUNIQUE
LAWL RG

76

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).

W

DOE

5 JUNE 1956

CONDUCTED ROUTINE OPERATIONS

THIS IS S-1 DAY

[Signature]
LT BSIV

COPIED/DOE
LANE RC

6 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. CAELEN FELT, MAJ. JACKS, LTJG BROBST,
1/1LT MORGAN

1450 PRE-ENTRY SURVEY RETURNED

Holly
LT USN

COPIED/DOE
LANI RG

82

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

Flaherty

RECEIVED

83

7 JUNE

THIS IS ST. DAY

CARRIED OUT ROUTINE OPERATIONS

0700 AERIAL SURVEY DEPARTED. MAJOR WEAVER

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

0755 AERIAL SURVEY RETURNED

Hold

COPIED/DOE
LANL RC

84

8 JUNE 1953

CARRIED OUT ROUTINE OPERATIONS

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. B. J.
LT BSN

COPIED/DOE
LANE 10

85

9 JUNE 1956.

CARRIED OUT ROUTINE OPERATIONS

1000 AERIAL SURVEY TEAM DEPARTED ELMER
AIRSTRIP. LT COLE, 2LT CLINE, SP3 FELD -
KIRSCHNER

1115 AERIAL SURVEY TEAM RETURNED.

9601
LT. USIN

ET

86

10 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS.

Flouj

COPIED/DOE
LANL RC

11 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

Col J
LT OSN

COPIED/DUE
LANL RG /

12 JUNE 1956

THIS IS B AND F DAY.

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

0754 PRE-ENTRY SURVEY DEPARTED ELMER AFB
STRIP. DUNCAN SILEY, MAJ. LEWIS, LTJG. HARRIS
2/LT. CLINE.

0850 AERIAL SURVEY PARTY RETURNED TO ELMER.

1100 AERIAL SURVEY PARTY DEPARTED ELMER
TO CONDUCT SURVEY OF TARGET CIRCLE 501011E

1225 AERIAL SURVEY PARTY RETURNED TO ELMER.

Mark J
LT USN

1
L...

13 JUNE 1956

THIS IS K-1 DAY

CARRIED OUT ROUTINE OPERATIONS

1300 MADE SIGHT MUSTER OF TU7 PERSONNEL
NO ABSENTEES

Holt
LT USN

COPIED/DOE
LANL RC

14 JUNE 1956

THIS IS THE DAY

CARRIED OUT ROUTINE OPERATIONS

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

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

1320 PRE-ENTRY SURVEY PARTY RETURNED

Holly

87

COPIED/DOE
LANL RC

91

15 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

Holl
LT USN

STARTED

T

27

27

16 JUNE 1956

THIS IS ○ 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
AIRSTRIIP. G. FELT, L. CHELIUS, 1/LT. RYAN.

1450 PRE-ENTRY SURVEY PARTY RETURNED

John

COPIED/DOE
LANL RC

17 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS
D850. MAJOR G. JACKS, USA, CTU 7, REPAIR
FOR BIKINI.

[Handwritten signature]

MER

COPIED/DOE
LANL RG

94

18 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS.

THIS IS D-1 DAY.

Hold
7 USM

COPIED/DOE
LANL RG

95

19 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

THIS W-R DAY

[Signature]
LT JIN

CONFIDENTIAL
LANL 80

20 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

McG
17 USA

97

21 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

THIS IS D-1 & I-1 DAY.

John J.
LT USN

COPIED/DOE
LANE RC

22 JUNE 1956

THIS IS D & I PAY.

0700 DARTON HAS BEEN RECORDED.

0906 AM EXPLOSION WAS OBSERVED IN THE

NORTHERN END OF ENVIATOR ATOLL

1107 PRE-ENTRY AERIAL SURVEY REARSTRIP LINDER

REARSTRIP. DWAYNE SENELL, MAJOR JACOB, LT COL

1108 PRE-ENTRY AERIAL SURVEY REARSTRIP REARSTRIP

2006
17 JUN

COPIED/DOE
LANL RG

NAME

RANK

SERIAL NUMBER

Civ

Civ

Civ

Civ

2d Lt.

SF3

PFC

PFC

PFC

PFC

PRIVACY ACT MATERIAL REMOVED

NAME

RANK

SERIAL NUMBER

101 11 77

Civ

Civ

Civ

Civ

2d Lt.

SP3

PFC

PFC

PFC

PFC

PRIVACY ACT MATERIAL REMOVED

COPIED/DOE
LANL RC

101

23 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS
0735 AERIAL SURVEY PARTY DEPARTED ELMER
0745 AERIAL SURVEY PARTY RETURNED. COL. LUCKE,
LT. COLE, 2LT. MILICIES AND THORNBROUGH (CIV)
2130 MAJ. G. L. JACKS, USA, CTU 7 WAS IN-
FORMED, BY TELEPHONE, BY CAPT. C. LUKE, USA
OF PROJ. 251, THAT A PLUTONIUM SPILL HAD
OCCURRED AND THAT SEVERAL OF THE PROJECT
PERSONNEL HAD BEEN EXPOSED. PERSONNEL
WERE MONITORED ⁽²⁾ IT WAS REQUESTED THAT
A CHECK BE RUN ON THESE PERSONS AND
THEIR TEST AREAS. PERSONNEL WERE MONI-
TORED AND TEST ⁽²⁾ WERE FOUND TO BE CON-
TAMINATED WITH PLUTONIUM. THESE TEST WERE
SENT TO THE PERSONNEL DEPARTMENT IN
STAG AND WERE FURNISHED WITH 10
MILLI LITERS COLLECT 24 HR URINE SAMPLES.
TESTS WERE MONITORED, WERE FOUND TO BE
CONTAMINATED. THE FOLLOWING ITEMS WERE
CONTAMINATED: 100% OF 40 SAMPLES, 24
PILLOW CASES, 3 OTHER MATTRESSES, 4 1/2 HR
SLEEPING MATTRESSES AND 4 PILLOWS. LIST OF
PERSONS FOUND TO BE CONTAMINATED IS
ATTACHED.

J. C. J.
LT. OSBY

DOE
ALRG

24 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS.
THE FLOORS OF THREE TENTS OF PRO. 251
PERSONNEL WERE DECONTAMINATED BY T-17
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.

[Signature]
LT JEN

OF
LA

25 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS.

0756 AERIAL SURVEY PARTY DEPARTED ELMER

H. BOSTON, 1 LT PETERS, SFC GAINES, PVT LAWS,

SP3 TRACHSEL AND BOB GRAVESON (CV).

0842 AERIAL SURVEY PARTY RETURNED.

W. E. T.

W. E. T.

COPIED/DOE
LANL RC

104

26 JUNE 1965

THIS IS D-DAY

DECK A BRIGHT FLASH WAS OBSERVED IN
THE EASTERN SKY

CARRIED OUT ROUTINE OPERATIONS

COPIED TO
LANL RG

105

27 JUNE 1956

CONTINUED ROUTINE OPERATIONS

1 1730 AERIAL SURVEY PARTY DEPARTED ELMER AIRSTRIP. LT F. COLE, R. W. TAFT (CIV) & R. GOEKE (CIV)

1855 AERIAL SURVEY PARTY RETURNED.

1910 INSTRUMENT CALIBRATION PARTY DEPARTED ELMER AIRSTRIP.

1920 INSTRUMENT CALIBRATION PARTY RETURNED

9502 J
LT OSN

30 JUNE 1956

CARRIED OUT ROUTINE OPERATIONS

Hold
LT 317

COPIES/DOE
LANT RC

107

1 JULY 1956

CARRIED OUT ROUTINE OPERATIONS
THIS IS H-1 DAY

Gibb
LT USN

COPIED/DOE
LANL RC

108

2 JULY 1956

THIS IS H DAY 4 M-1 DAY
DBH HURDY HAS BEEN POSTPONED
CARRIED OUT ROUTINE OPERATIONS

Hoody

APR 1956
109

109

3 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 AIRBORNE, 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

Holey

4 JULY 1956

CARRIED OUT ROUTINE OPERATIONS

0900 AERIAL SURVEY PARTY DEPARTED

LT BRUBST, CAPT FARMER, L. CHELIV

R. GÖRKE

1015 AERIAL SURVEY PARTY RETURNED

John

COPIED/DOE
LANL RC

5 July 1956

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

0830 Aerial Survey Party returned

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

Hole
LT USN

COPIES/DCE
LAWI RC

112

8 July

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

H. P. Jackson
Maj USA

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.

Detailed survey dtd 1350, returned
1525 - Major Jacks, Mr. Gocke, 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 Linka, Mr Chalins, Mr Coake, Lt Miliotas aboard.

Carried out routine duties.

J. J. Linka
Lt Col
Maj. USAF

COPIED
LANI RC

11 July

Helicopter survey departed
at 0700, returned at 0850 - Lt.
Brobst, Lt Taylor, Sgt Gaines, Mr.
S. Curry aboard.

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

Carried out routine duties.

Jacks
Maj USAF

12 July

Carried out routine duties.

D. P. Parks
Maj USAF

COPIED/DOE
LANL RC

117

13 July

Carried out routine duties

1024 Helicopter survey departed with
Mr R. Toft and SP-3 P Zimmer
aboard. Returned at 1130.

Leo H. Chelius

COPIED/DOE
LANL RC

14 July

Carried out routine duties.

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

William Wallace Hyst
20 St, USA

AN 100

119

15 July

Carried out routine duties.

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

William Willoughby
2d LT, USA

COPIED/DOE
LANL RC

120

16 July

Carried out routine duties.

0802 Helicopter survey departed with
Lt Milliot, Lt Willoughby and
Mr. P. Endra aboard. Returned
at 0905.

William Willoughby, Jr
2d LT, USA

ADDENDA

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

William Willoughby, Jr
2d LT, USA

17 July

Carried out routine duties.

th
f
0813 Theodore A Crawford, T6, and
Ray N. Dunaway, T07, returned
from Yvonne. (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

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 is T-2 and H-2.

William Willoughby, Jr.

SGT, USA

July 19

Today is T-1 and H-1

Carried out routine duties.

0924 Majors S. 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
SO LT, USA

COPIED/DOE
LANL RC

124

July 20

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

William Willoughby

2d Lt, USA

WILLIAMS
LANL RG

125

July 21

end H-1.

H 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 Jr
20 LT, USA

100E

125

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/DOE
LANL RC

126

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. BESSEMER, CIV + RS
COLEMAN, CIV

0925 AERIAL SURVEY PARTY RETURNED.

1030 Fallout reading 30-35 m/hr

William Willoughby II
2/LT, USA

COPIED/LOF
LAW 26

127

July 24

Carried out routine duties:

0835 Helicopter in ^{the} party departed
with, Col Lucke, Lt. Wilkinsby
and Mrs. E. C. Anderson, U.S.P.H.S.,
aboard. Returned at 0935.

William W. Longley

20 LT, USA

25 JULY 1956

CARRIED OUT ROUTINE DUTIES.

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

Leo M. Chelius

ected
by
S.

COPIED/DOE
LANL RC

26 July 1956
Carried out Routine Duties

Williams Willoughby II
2d LT, USA

CO/DOE
SAIL RC

130

27 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 May Jacks, 1st Lt Meliote
and Lt. Brock aboard. Returned at 1600

William Willoughby
2d LT, USA

COPIED
AUG 1956

28 July 1957

Continued routine duties.

William W. Bellamy

ad LT; USA

COPIED/DOE
LANL RC

A 24

29 July 1956.

Observed holiday routine.

William W. Willoughby Jr.

24 RT, USA.

JOHN DOE
LANL RC

133

30 July 1956

Continued routine duties.

0900: Helicopter survey departed with
Major G. Jacks and ~~Sgt~~ 1st Sgt H. Millietes
aboard. Returned 1010.

Leo G. Chelius

6
1956 109

36
21

31 July
Continued routine duties

William Willoughby

26 KT, USA

with
notes

is

COPIED/DOE
LANL RC

30
20

1 August

Continued routine duties.

0909 Aerial survey departed by
helicopter with Major S. P. J. J.,
1st Lt. H. Milites and Lt. X. Ryan; and 2nd Lt.
W. E. Taylor aboard. Survey party returned
1019.

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

2 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. Wroughton

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returned
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DOE

3 August

Continued routine duties.

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

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

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

Leo G. Chelius

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LANL RC

4 August 1956

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

Leo G. Chelms

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