

COMMISSION

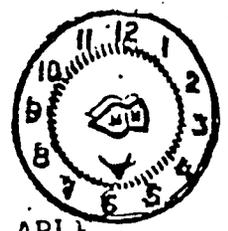
Location Records Center CRMO
Collection B-9 D-158
Folder 635 Castle
LASS-
January 1, 1954 - March 15, 1954
DATE
FM DMA TO BRADBURY

CLASSIFICATION CANCELLED
WITH DELETIONS
BY AUTHORITY OF DOE/OC

Carl Wilson 8/27/83
J. Diaz 10/2/85

S.M.V.
71-1-93-1457
THIS DOCUMENT CONSISTS OF 3 PAGES
OF 7 COPIES, SERIES *10/1/54*

MAR 16 1954



HAVE RELAY FROM DMA VIA WASHINGTON S-105 54152030Z

~~RESTRICTED DATA GROUP~~ CRYPTO WAR SVC EIGHT EIGHT ONE SIX ABLE
REENCIPHERS SECTION ONE UEPCR ONE ONE SEVEN DTG ONE FOUR ONE TWO ZERO
ONE ZEBRA WITH OVERLAP INTO SECTION TWO QUOTE CRYPTO WAR SVC EIGHT
EIGHT ONE SIX RELAYS

123611

DELETED VERSION ONLY

MSG TRUE DTG ONE THREE ONE TWO ONE EIGHT ZEBRA FROM CJTF SEVEN
ENIWETOK TO CHAIRMAN AEC LASHDC PD URMSG DTG ONE TWO TWO TWO TWO SIX
ZEBRA REFERS PD THIS MSG IN SIX PART PD TO FIELDS FROM CLARKSON PD
THIS IS A SUMMARY REPORT AS REQUESTED IN YOUR ZERO SIX ONE SEVEN FOUR
SIX ZEBRA PD PART ONE CLN THE NATIVES WERE NOT RPT NOT EVACUATED PRIOR
TO DETONATION BECAUSE CMM ON THE BASIS OF INFORMATION AVAILABLE
TO US CMM IT WAS NOT RPT NOT CONSIDERED NECESSARY AND NO RPT NO SIGNIFICANT
FALL DASH OUT WAS EXPECTED ON INHABITED AREAS PD AN EMERGENCY PLAN FOR
EVACUATION WAS CONCEIVED PRIOR TO DETONATION AND THE ACTUAL EVACUATION
WAS CARRIED OUT. IN ACCORDANCE WITH THIS PLAN PD WHAT HAPPENED AND
THE REASONS THEREFOR ARE COVERED IN MY ZERO EIGHT ZERO ZERO ONE ZERO
ZEBRA PD DURING THE REMAINDER OF CASTLE WE WILL BE RESTRICTED TO LIMITED
WEATHER CONDITIONS UNDER WHICH WE CAN FIRE PD ~~SECRET~~ HAS SHOWN AS MIKE
DID NOT RPT NOT SHOW CMM THAT RADIO ACTIVITY FROM HIGH YIELD DETONATIONS
CAN BE CARRIED HUNDREDS OF MILES AWAY FROM GROUND ZERO IN INTENSITIES
SUFFICIENT TO BECOME HEALTH HAZARDS PD I WILL TAKE EVERY PRECAUTION
TO AVOID DANGER DURING THE COURSE OF FUTURE OPERATIONS TO OTHER
POPULATED AREAS OF THE PACIFIC PD THE WINDS WHICH ARE ACCEPTABLE AS
FAVORABLE FOR FIRING WILL BE RESTRICTED TO A NARROW SECTOR OF THE COMPASS
AND I PROPOSE TO WAIT UNTIL I AM REASONABLY ASSURED CMM ON THE BASIS
OF THE INFORMATION AVAILABLE TO ME CMM THAT FALL DASH OUT OF SIGNIFICANT

COPIED/DOE
LAWL RC

This document is classified as [REDACTED] data
defined in [REDACTED] etc. [REDACTED] of
[REDACTED] of
[REDACTED] unauthorized person is prohibited.

PART TWO

[REDACTED]

[REDACTED]

GROUP CLN HEAVY DAMAGE TO TENT CAMP SMCLN LIGHT TO MODERATE DAMAGE TO
BUILDINGS PD THERE IS SUPERFICIAL DAMAGE TO THE CAB FOR [REDACTED] DELETED
BUT NO RPT NO DAMAGE TO THE INSTALLATION INSIDE THE CAB OR TO ANY OTHER
SCIENTIFIC INSTALLATIONS ON THESE ISLANDS PD BAKER PD ENYU GROUP CLN
NO RPT NO DAMAGE ENYU CAMP AND THERE IS NO RPT NO DAMAGE TO SCIENTIFIC
INSTALLATIONS OF THAT ISLAND PD CHARLIE PD BIKINI ISLAND CLN NO RPT NO
DAMAGE SUSTAINED ON THIS ISLAND PD DOG PD AOMOEN GROUP CLN TENT CAMP
FLATTENED BUT NORPT NO DAMAGE TO SCIENTIFIC INSTALLATIONS ON THAT
ISLAND PD PAREN THE ABOVE CONFIRMS THE REPOR SUBMITTED IN MY HOW PLUS
ONE TWO HOUR ADVISORY PD PAREN ECHO PD NAMU GROUP CLN THE FAST CAMERA
STATION ON VELTA ISLAND WHICH WAS TO RECORD TEMPERATURE [REDACTED] DELETED
MEASUREMENTS WAS HEAVILY DAMAGED BY BLAST CAUSING LOSS OF THE
PHOTOGRAPHIC DATA WHICH WAS TO HAVE BEEN RECORDED THERE PD THE ELECTRONIC
DATA WAS OBTAINED FROM THIS STATION PD THE RECORDING STATION ON NAMU
AT THE FAR END OF THE ONE TWO VACUUM PIPES WAS DAMAGED BUT THE DATE
THEREIN WAS RECOVERED PD PART THREE CLN THE FOLLOWING PRELIMINARY
INFORMATION IS SUBMITTED CLN ABLE PD RADIO CHEMISTRY FIRST FISSION YIELD
PAREN NOT RPT NOT TOTAL YIELD PAREN FIGURES INDICATE ORDER OF [REDACTED] DELETED
[REDACTED] PD THE SAMPLES COLLECTED BY AIRCRAFT WERE EXCELLENT PD BAKER
PD HYDRODYNAMIC MEASUREMENTS PAREN BALL OF FIRE AND SHOCK TIME OF
ARRIVAL PAREN GAVE YIELD AS [REDACTED] PD
CHARLIE PD ALPHA IN THE CONSTANT REGION IS [REDACTED] DELETED
PD THIS VALUE APPEARS TO BE WITHIN EXPERIMENTAL ERROR OF THE PREDICTED
VALUE PD DOG PD TIME UNQUOTE [REDACTED] COPIED/DOE END OF PAGE TWO [REDACTED]

DELETED

DELETED

DELETED

2

~~RESTRICTED DATA~~
This document contains data
as defined in the Atomic Energy Act of
1954. The transmittal or disclosure of
its contents in any manner to an unau-
thorized person is prohibited.

~~SECRET~~
BPART THREE

VALUE PD DOG PD ~~SECRET~~

~~SECRET~~ PAREN THE PREDICTED VALUE WAS APPROXIMATELY

THRESHHOLD DETECTORS HAVE BEEN RECOVERED BUT NO RPT NO DATA AS YET
PD LOVE PD THERMAL EXPERIMENTS CLN MAJORITY OF DATA WAS RECOVERED FOR
MEASUREMENT OF POWER VERSUS TIME AND TOTAL POWER PD IN GENERAL CMH IT
CAN BE STATED THAT ALL THE INFORMATION WHICH WAS DESIRED BY LASL ON THE
BEHAVIOR OF THE DEVICE WAS OBTAINED ~~SECRET~~ PART
THREE CLN THE CRATER ~~SECRET~~ IS APPROXIMATELY FIVE ZERO ZERO ZERO
TO SIX ZERO ZERO ZERO FEET IN DIAMETER AND THE SLUDGE LAYER AT ~~SECRET~~ ^{COPIED/DOE}
BOTTOM IS NINE FOUR FEET BELOW THE SURFACE OF THE WATER PD THERE IS NO ^{LANL RC}
RPT NO BLAST DAMAGE TO INSTALLATIONS WHICH ARE PLANNED TO BE USED IN
FUTURE TESTS PD PART FOUR CLN THE RADIOACTIVE LEVELS ON ALL ISLANDS
OF BIKINI HAVE HAMPERED OUR OPERATIONS PD WE HAVE BEEN FORCED TO OPERATE
FROM AFLOAT SINCE BRAVO CMH AND THIS HAS MATERIALLY REDUCED OUR EFFICIENCY
PD PUR INTER DASH ATOLL TRANSPORTATION HAS OF NECESSITY BEEN BY SEAPLANE.

ON TARE DURING MOST OF THE DAY AND CMM AS OF THE ONE ONE MARCH CMM
REOPENED THE AIRSTRIP AND HAVE PAREN GARBLE BEING SVCD BY CRYPTO
WAR PAREN PD THE RAD LEVEL ON ENYU AND THE AOMOEN GROUP HAVE LIMITED
OUR OPERATIONS ON THESE ISLANDS CONSIDERABLY PD DUE TO THE RADIOLOGICAL
SITUATION I PROPOSE TO AUTHORIZED DOUBLE THE MAXIMUM PERMISSIBLE
EXPOSURE OF THREE PNT NINE ROENTGENS FOR SMALL BOAT CREWS CMM HELICOPTER
PILOTS CMM A SMALL NUMBER OTHER SELECT PERSONNEL PD PART FIVE CLN WE
ARE READY TO FIRE ~~SECRET~~ AT THE PRESENT TIME PD WEATHER IS THE ONLY
LIMITING FACTOR PD FOR PLANNING PURPOSES WE EXPECT THAT ~~SECRET~~
WILL FOLLOW ~~SECRET~~ BY APPROXIMATELY SEVEN DAYS PD AT THE PRESENT TIME
WE ARE MAINTAINING A CAPABILITY OF FIRING ON ONE EIGHT HOURS NOTICE PD
AS STATED ABOVE CMM I AM FULLY PREPARED TO WAIT THIS OUT PD PART SIX
CLN I REPEAT THAT YOU HAVE BEEN AND ARE BEING COMPLETELY INFORMED OF
DEVELOPMENTS AS THEY TAKE PLACE PD THE SCIENTIFIC DATA WHICH WAS GIVEN
ABOVE HAS ONLY BEEN RECEIVED AND STUDIED BY OGLE AS OF TOD.

Y PD I DID
NOT RPT NOT WANT TO SUBMIT TO YOU A CURSORY REPORT ON THE SCIENTIFIC
DATA UNTIL SUCH TIME AS IT COULD BE PROPERLY EVALUATED PD I WILL
APPRECIATE YOU INFORMING ME IF THE ABOVE DOES NOT RPT NOT ANSWER ANY
SPECIFIC QUESTIONS THAT YOU MAY HAVE

15/2353Z

~~DATA SOURCE NOT REQUIRED~~

~~ACCOUNTABILITY REQUIRED AS PER CM SEC. 5~~

~~RESTRICTED DATA~~
This document contains restricted data
under the Atomic Energy Act of
1946. Its transmission or disclosure of
its contents to any unauthorized
person is prohibited.

COPIED/DOE
LANL RG

~~SECRET~~

41

