

U.S. ATOMIC ENERGY COMM
TWX UNIT

400084

PRIORITY

1954 MAR 3 AM 10 59

/PRIORITY/

FM FRY USAEC NEW YORK NY

TO USAEC WASHINGTON DC

ATTN DR JOHN C BUGHER

MSG NR 51-S 54 MARCH 031420Z GR 507

CLASSIFICATION CANCELLED
OR CHANGED TO
BY AUTHORITY OF DOE/DPC
REVIEWED BY *[Signature]* DATE

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FOLLOWING ARE EXCERPTS FROM TWO MESSAGES FROM TASK FORCE HEADQUARTERS
CLN

QUOTE FROM MESSAGE ONE CLN QUOTE HOW MINUS SIX FORECAST OF PARTICLES
TRAJECTORIES FROM HOW TO HOW PLUS SEVEN TWO AS FOLLOWS PD ONE ZERO
THOUSAND FEET CLN PLUS ONE TWO CMM ONE TWO NORTH ONE SIX SEVEN
EAST SMCLN PLUS TWO FOUR CMM ONE TWO NORTH ONE SIX FIVE EAST SMCLN
PLUS FOUR EIGHT CMM ONE ONE NORTH ONE SIX ONE EAST SMCLN PLUS SEVEN TWO
CMM ONE ONE NORTH ONE FIVE SIX EAST PD TWO ZERO THOUSAND FEELXXX FEET
CLN PLUS ONE TWO CMM ONE THREE NORTH ONE SIX EIGHT EAST SMCLN PLUS TWO
FOUR CMM ONE FOUR NOTXXX NORTH ONE SIX NINE EAST SMCLN PLUS FOUR EIGHT
CMM ONE SEVEN NORTH ONE SEVEN FIVE EAST SMCLN PLUS SEVEN TWO CMM ONE
EIGHT NORTH ONE SEVEN NINE WEST PD THIRTY THOUSAND FEET CLN PLUS ONE
TWO CMM ONE FIVE NORTH ONE SEVEN ZERO EAST SMCLN PLUS TWO FOUR CMM ONE
SIX NORTH ONE SEVEN SIX EAST SMCLN PLUS FOUR EIGHT CMM ONE FOUR NORTH
ONE SEVEN TWO WEST PD FORTY THOUSAND FEET CLN PLUS ONE TWO CMM ONE SIX
NORTH ONE SEVEN TWO EAST SMCLN PLUS TWO FOUR CMM ONE SEVEN NORTH ONE
EIGHT ZERO PD FIFTY THOUSAND FEET CLN PLUS ONE TWO CMM ONE FOUR NORTH
ONE SEVEN THREE EAST SMCLN PLUS TWO FOUR CMM ONE SIX NORTH ONE EIGHT
ZERO PD SIX FIVE THOUSAND FEET CLN PLUS ONE TWO CMM ONE ZERO NORTH ONE
SIX FIVE EAST SMCLN PLUS TWO FOUR CMM NINE NORTH ONE SIX TWO EAST SMCLN
PLUS FOUR EIGHT CMM NINE NORTH ONE FIVE NINE EAST SMCLN PLUS SEVEN TWO
CMM NINE NORTH ONE FIVE TWO EAST PD AEROLOGY PLANS NO ADDITIONAL

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PAGE TWO

TRAJECTORY PREDICTIONS UNQUOTE PD QUOTE FROM MESSAGE TWO CLN QUOTE
CORRECTION PART ONE MY DTG ZERO ONE ZERO SEVEN FIVE TWO ZEBRA CMM
AEROLOGY ISSUED FOLLOWING TRAJECTORY FORECAST AT ZERO ONE ZERO EIGHT
THREE ZERO ZEBRA PD INCLUDE ONLY MARKED DEVIATION FROM EARLIER FORECAST
PD ONE ZERO THOUSAND FT CLN PLUS FOUR EIGHT CMM ONE FOUR NORTH ONE
SIX FIVE EAST SMCLN PLUS SEVEN TWO CMM ONE THREE NORTH ONE SIX TWO
EAST PD TWO ZERO THOUSAND CLN PLUS ONE TWO CMM NINE NORTH ONE SIX
EIGHT EAST SMCLN PLUS TWO FOUR CMM SEVEN NORTH ONE SIX NINE EAST SMCLN
PLUS FOUR EIGHT CMM FIVE NORTH ONE SIX SIX EAST SMCLN PLUS SEVEN TWO
CMM FIVE NORTH ONE FIVE NINE EAST PD THREE ZERO THOUSAND CLN PLUS FOUR
EIGHT CMM ONE THREE NORTH ONE SIX SEVEN WEST SMCLN PLUS SEVEN TWO CMM
EIGHT NORTH ONE FIVE SEVEN WEST PD FOUR ZERO THOUSAND CLN PLUS FOUR
EIGHT CMM ONE THREE NORTH ONE FIVE THREE WEST PD FIVE ZERO THOUSAND
CLN PLUS FOUR EIRHHHHHHHHHHHHH PLUS FOUR EIGHT CMM ONE TWO NORTH ONE
SIX THREE EAST PD NEW SUBJECT PD RONGERIK REPORTING GREATER THAN ONE
ZERO ZERO MIKE ROGER PER HOUR ZERO ONE ZERO THREE ONE FIVE ZEBRA
PD THREE TO FOUR MIKE ROGER PER HOUR REPORTED ENIWETOK STARTING ZERO
ONE ZERO SIX ZERO ZERO PD INDICATIONS OF GENERAL FALLOUT NORTHERN
MARSHALLS UNQUOTE PD REF HS MERRIL EISENBUD

END OF MSG

ACK FOR ONE TO PLS WM

RECD 03/1555Z OK MEM

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Quote from message two: "Correction Part 1 my DTG ~~010075~~ 010752 Z, aerology issued following trajectory forecast at 010830Z. Include only marked deviation from earlier forecast.

✓ 10,000 ft.: ✓ / 48, 14 N 165 E; ✓ / 72, 13 N 162 E.

20,000 ft.: ✓ / 12, 9 N 168 E; ✓ / 24, 7 N 169 E; ✓ / 48, 5 N 166 E;
✓ / 72, 5 N 159 E.

30,000 ft.: ✓ / 48, 13 N 167 W; ✓ / 72, 8 N 157 W.

40,000 ft.: / 48, 13 N 153 W.

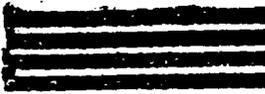
50,000 ft.: / 48, 12 N 163 E.

Rongerik reporting greater than 100 mr per hour, 010315Z. 324 mr per hour reported Eniwetok starting 010600. Indications of general fallout northern Marshalls." Ref. HS Merrill Eisenbud.

CLASSIFICATION CANCELLED
BY AUTHORITY OF DOE/OPC
CB Barnes 2/7/85
DATE

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Quote from message one: "H-6 forecast of particles trajectories from H to H # 72 as follows. 10,000 feet: / 12, 12 N 167 E; / 24, 12 N 165 E; / 48, ^{14N 165} ~~11 N 16~~ / 72, ^{13 162} ~~11 N 156~~ E.

20,000 feet: / 12, ⁹ ~~13~~ N 168 E; / 24, ⁷ ~~11~~ N 169 E; / 48, ^{5 166} ~~11 N 175~~ E; / 72, ^{15 159 E} ~~18 N 179~~ E.

30,000 ft.: / 12, ^{OK} ~~15~~ N ~~170E~~; / 24, ^{OK} ~~16~~ N ~~176~~ E; / 48, ^{13 167} ~~11 N 172~~ W.
+ 72 8N 157W

40,000 ft.: / 12, 16 N 172 E; / 24, 17 N 180. + 48 13 N 153 W

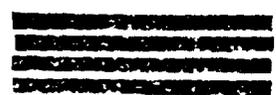
50,000 ft.: / 12, 14 N 173 E; / 24, 16 N 180. + 48 12 N 163 E

65,000 ft.: / 12, 10 N 165 E; / 24, 9 N 162 E; / 48, 9 N 159 E;
/ 72, 9 N 152 E.

Aerology plans no additional trajectory predictions."

	+12	+24	+48	+72
10	12N 167E	12N 165E	14N 165E	13N 162E
20	9N 168E	7N 169E	5N 166E	5N 159E
30	15N 170E	16N 176E	13N 167W	13N 153W
40	14N 173E	17N 180	13N 153W	
50	14N 173E	16N 180	12N 163E	
65	10N 165E	9N 162E	9N 159E	

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Comments by Dr. Bugher

11/10/54

This excellent report will be ready for publication nearly as it is. The amount of editorial work required is small.

Some minor comments:

1. P. 161 - There should be a little more specificity about the physical data. For example 0.3--3 u.c. per fish at 120 days does not impress me as being a "very high levels of activity", particularly if the contamination were in the uneaten portions.

This section could profit by a little addition:

2. Japanese fishermen. This info is actually all hearsay and is not properly a part of this report. Similarly the urine examinations were a service to the Japanese by HASL. Suggest deletion of medical and analytical discussion of Japanese fishermen.

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AUTHORITY: DOE-DPC
BY *EBB* *12/19/84*

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MILITARY RESEARCH & APPL

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