

PRIVACY ACT MATERIAL REMOVED

John S. Malik
JNTS-79-83

April 17, 1979

to Hardtack. The one thing that could not be controlled was the winds, and as a result, Japtan Island was hit by fallout from the Fir event, as were Parry Island and Eniwetok Island, fired on Bikini Atoll on 12 May, 1958 (M.I. time). According to WT 1685, "fallout from the Fir event on Bikini contributed approximately 1,200 to 1,500 mr total dose to those living at Eniwetok Atoll---".

With regard to high exposure, one can speculate based on knowledge acquired during the operation. (1) On recreation, or shell-hunting trips, wearing his film badge, went into areas that were contaminated as a result of shots fired at Eniwetok where he had no business being or (2) he left his film badge in his quarters, hanging or laying against the outside wall where it received excessive exposure from the radioactive debris from the Fir fallout that was concentrated by rain water run-off from the eaves of the quarters.

One other general comment is in order before tackling the specific questions that raised. has mixed apples and oranges in his remarks about "the background intensity" or the "background" at Site Nan "began to rise". Site Nan was Enyu Island at Bikini Atoll and radiation levels there had no bearing on Japtan Island at Eniwetok Atoll, some 180 miles or more from Bikini. Further, his references to the rise in background at Site Elmer Rad Safe Center (Parry Island at Eniwetok) are of no consequence. Such incidents were not mentioned or discussed in WT 1685 for the simple reason that they were of no consequence or concern.

Handwritten note: I had got it

Now, as to questions, in order:

a. I believe that the badges were accurate within 20 percent. There were errors; see WT 1685, Chapter 5, on personnel dosimetry. On the whole, the dosimetry program was reasonably accurate and satisfactory. The program had been repeatedly blessed and approved by knowledgeable people from a variety of agencies and was never criticized as lacking in adequacy. The biggest single "hole" in the program was created by people. Many did not wear their film badge or wore it improperly. You can drive a horse to water but you can't make him drink.

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b. No, not unless an individual never went swimming, never took a shower, never washed in any manner. Normal clothing provided adequate protection over most of the body.

c. Doses required to produce "reversal" in the film far exceeded those that show in the dosimetry records. Film fogging, normally, will not mask a higher dose; fogging darkens the film and thus increases the dose.

d. In case, yes. The dosimetry records show continuous coverage for the period of interest.

Handwritten mark: 2

John S. Malik
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3
PRIVACY ACT MATERIAL REMOVED 7, 1979

e. The dosimetry records speak for themselves. They are valid records.

f. The drinking water was safe. Enclosure 1 has no bearing on the drinking water. These measurements were made on the lagoon floor in the immediate vicinity of a shot.

g. Swimming in the lagoon was perfectly safe as far as radiation levels were concerned.

h. The FRC guidelines in effect at that time were followed.

i. There was a flat ban on eating sealife as a precautionary measure with respect to radiation. Sealife was migratory within the lagoon, and it concentrated various isotopes. That was a good rule. The ban on coconuts on Japtan Island was primarily in effect to keep people from stripping the trees and destroying the ecology of the island. With regards to the adequacy of the briefings on radiation safety provided by the Commander, Task Group 7.2, I cannot comment. Nor can I comment on how much attention the Army GIs paid to what they were told.

j. This is impossible to answer as we have found no records that tell us the names of the individuals on Japtan during the operational period. If one assumes that all personnel on Japtan were members of Task Group 7.2, Task Unit O, Org. 1, then either the unnamed individual mentioned in paragraph 3 of this memo, or showed the highest exposure. this assumption may not be valid. As to the classification answer given to by if that be so it was a mistake. I know of no reason for classifying that information.

k. As a general safety rule, all individuals were mustered by a physical head count prior to firing. As to "stand on the beach, facing the shot area", perhaps for orientation, education or the like.

l. Not necessary. I don't know what CTG 7.2 may have instructed personnel to do immediately after the Fir fallout.

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m. Not necessary per FRC guidelines.

n. The answer to this question must come from the DoD.

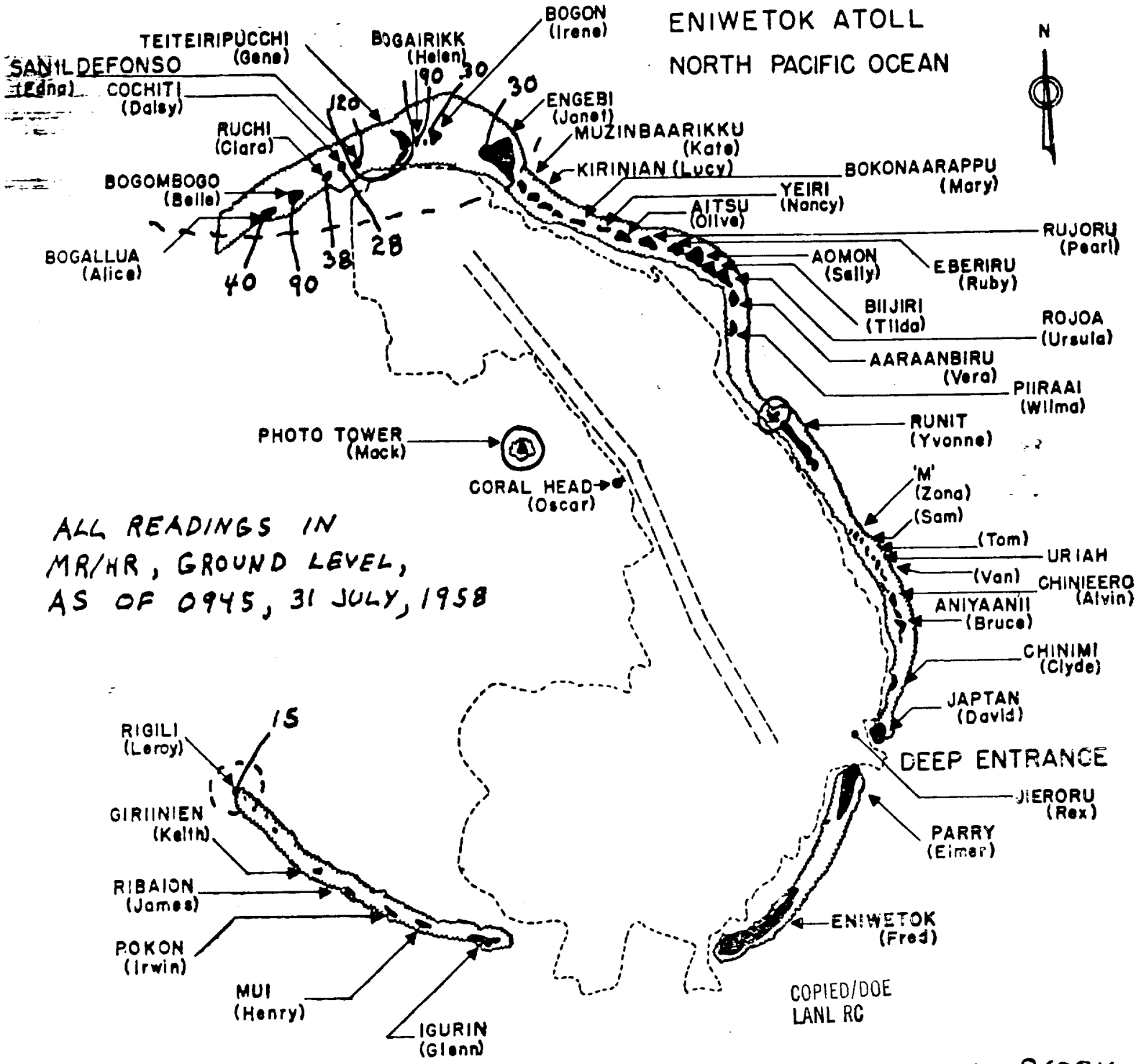
o. WT 1685, referenced above. The DNA library should have a copy. Also, the Rad Safe report from TG 7.5 (actually an H&N report), referenced above.

C: John C. Hopkins, J-DO/LASL, MS 670 ←
R. H. Campbell, J-DO/LASL, MS 670
G. L. Jacks, J-DO/NTS, MS 900
T. T. Scolman, J-DO/NTS, MS 900

PRIVACY ACT MATERIAL REMOVED

3

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



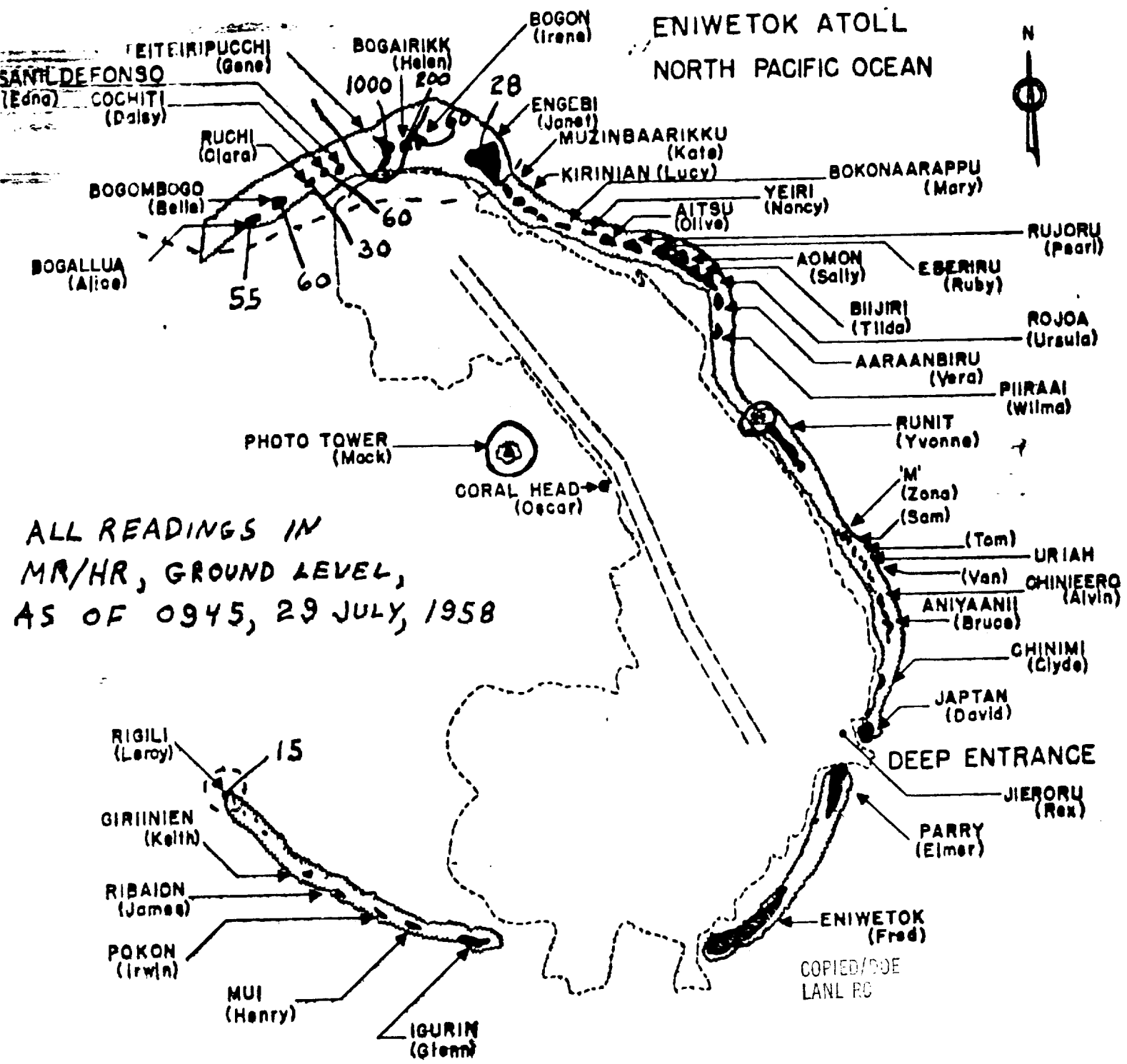
ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0945, 31 JULY, 1958

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--- LIMITED RADEX
— FULL RADEX

Note: Sand Spit North of
Oak G. 2. Reading
450 m/yr at 25'

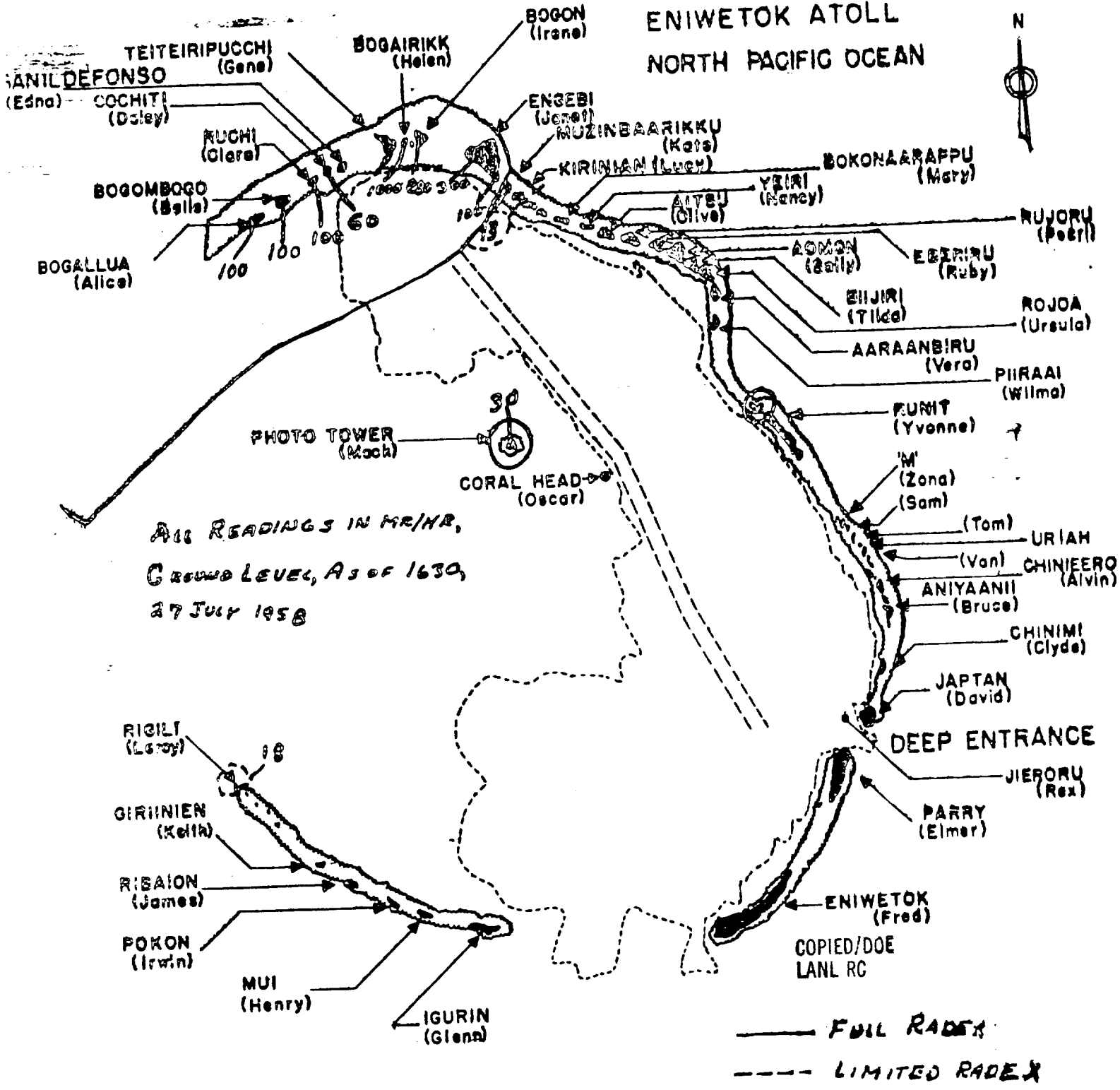
ENIWETOK ATOLL
NORTH PACIFIC OCEAN



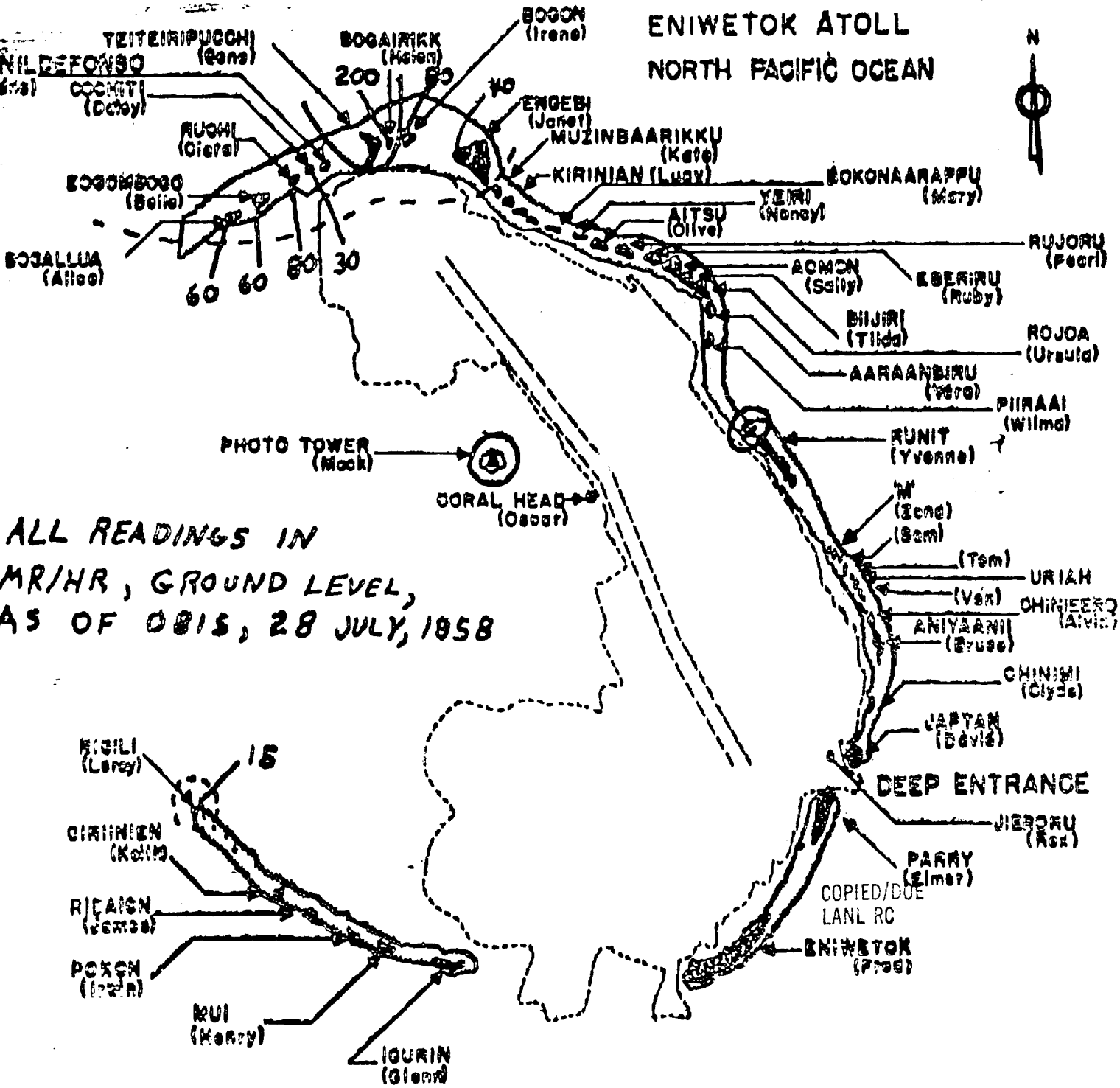
ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0945, 29 JULY, 1958

--- LIMITED RADEX
— FULL RADEX

ENIWETOK ATOLL NORTH PACIFIC OCEAN



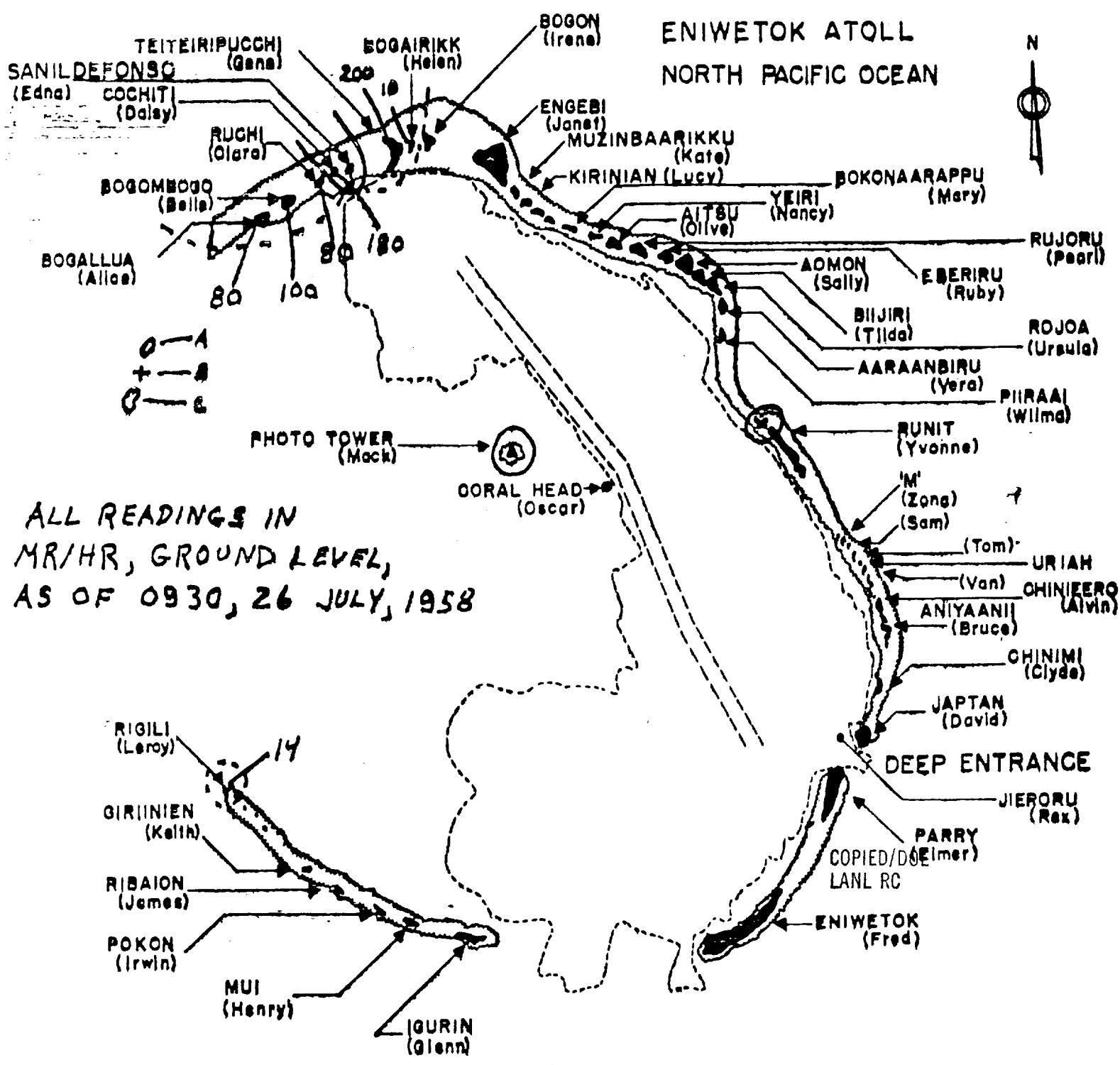
ENIWETOK ATOLL NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0815, 28 JULY, 1958

Note: Water off lagoon side
of Janet reading 400 m/hr.

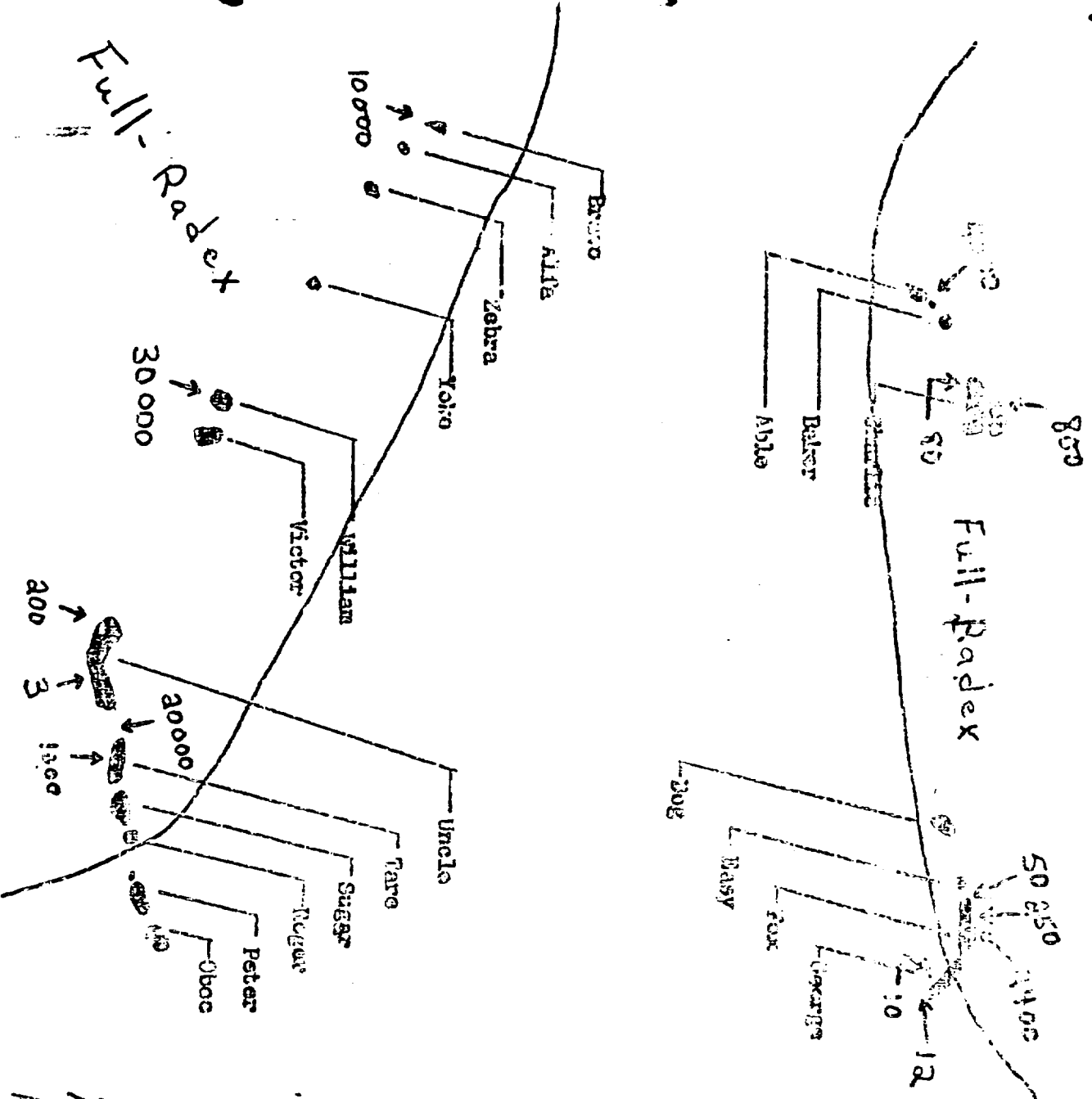
--- LIMITED RADEX
— FULL RADEX



ALL READINGS IN
 MR/HR, GROUND LEVEL,
 AS OF 0930, 26 JULY, 1958

- A Sand Spit North of Oak G.2. — 800 mr/hr at 25'
- B Oak G.2. — 1 mr/hr at 25'
- C Sand Spit South of Oak G.2. — 100 mr/hr at 25'.

--- LIMITED RADEX
 — FULL RADEX



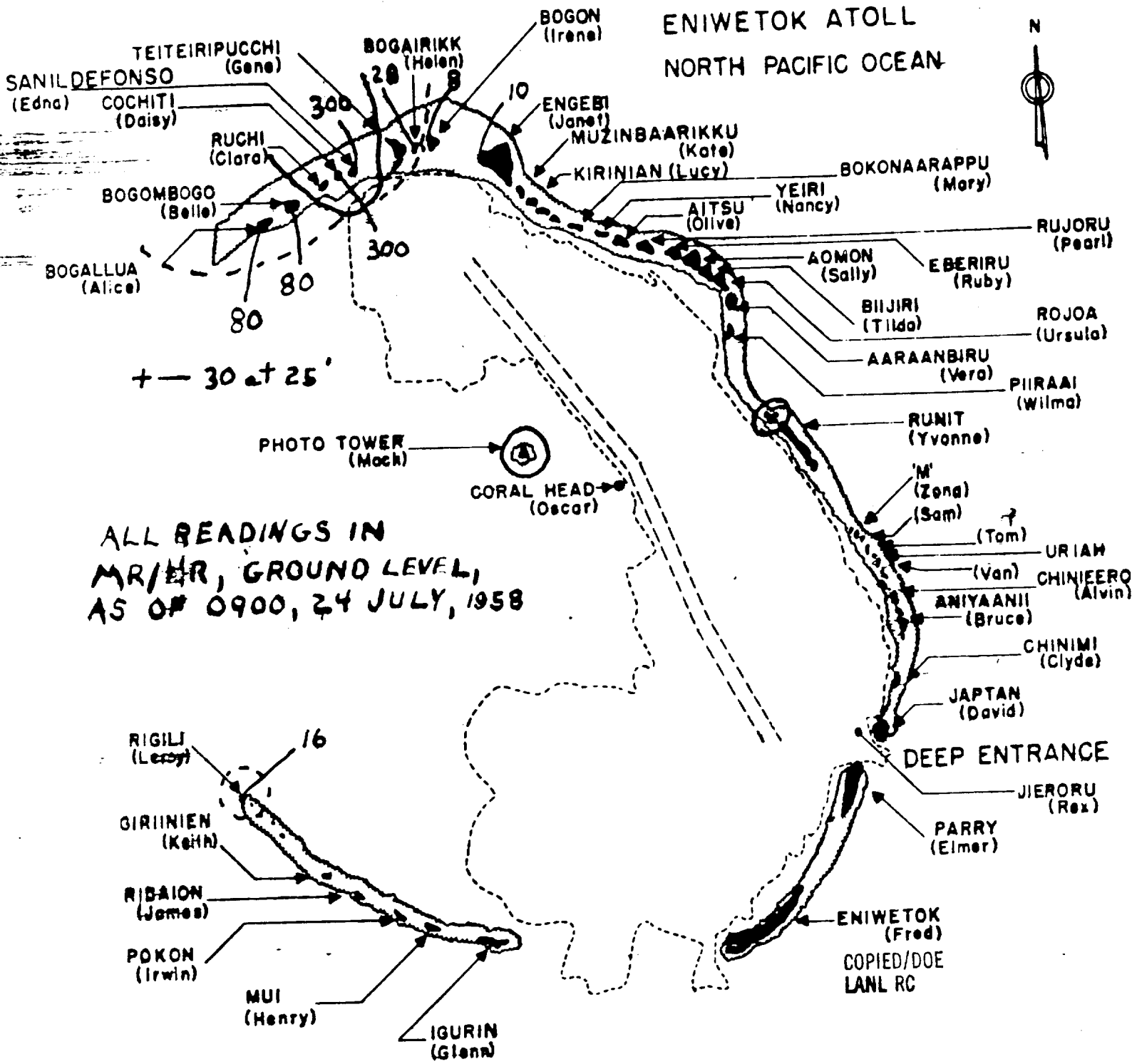
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SURNAME ATOLL

ALL Readings In MR/HR
At Ground Level As of
0800 HRS 23 July 58

0

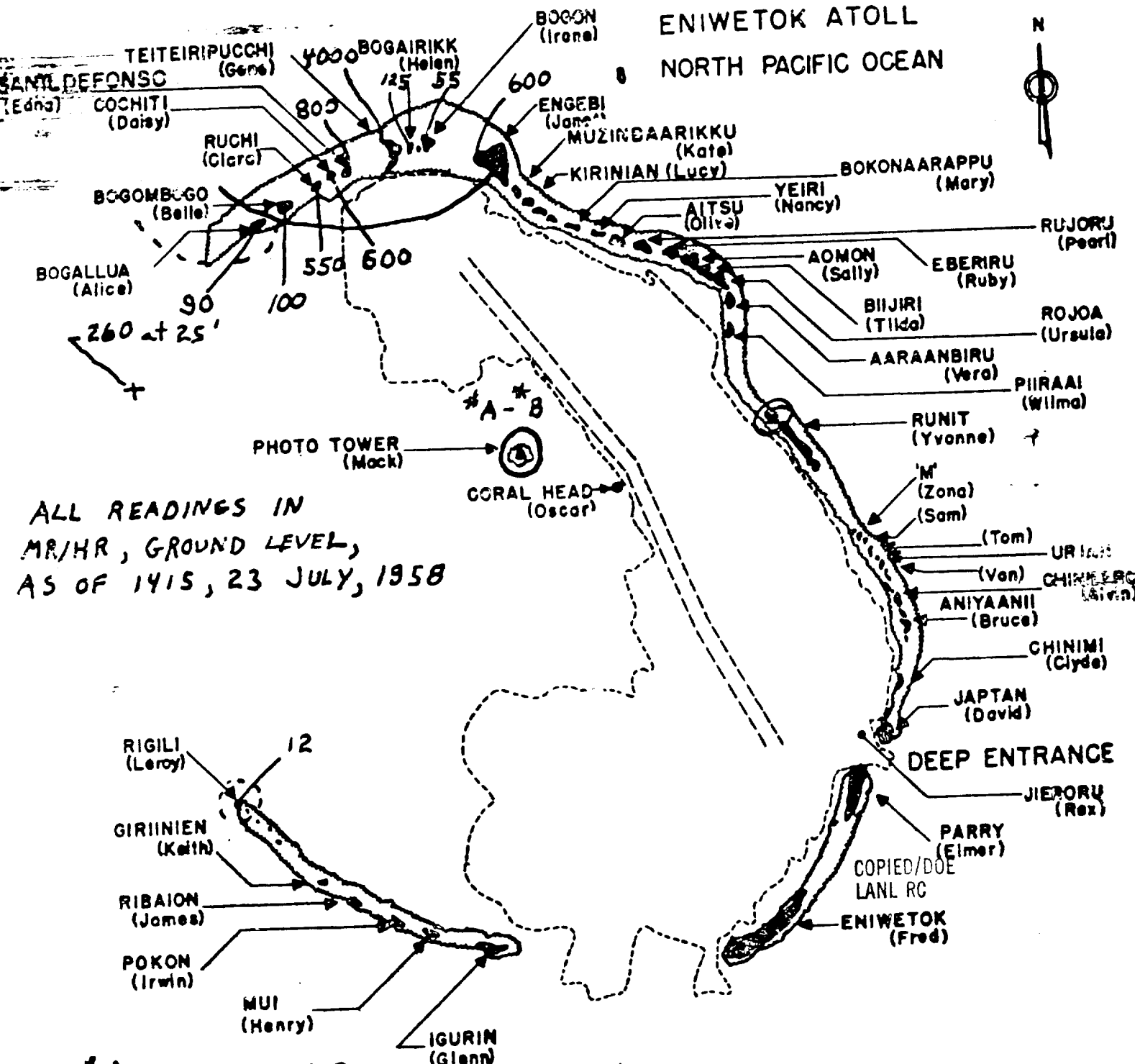
ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
METER, GROUND LEVEL,
AS OF 0900, 24 JULY, 1958

--- LIMITED RADEX
— FULL RADEX

ENIWETOK ATOLL
NORTH PACIFIC OCEAN

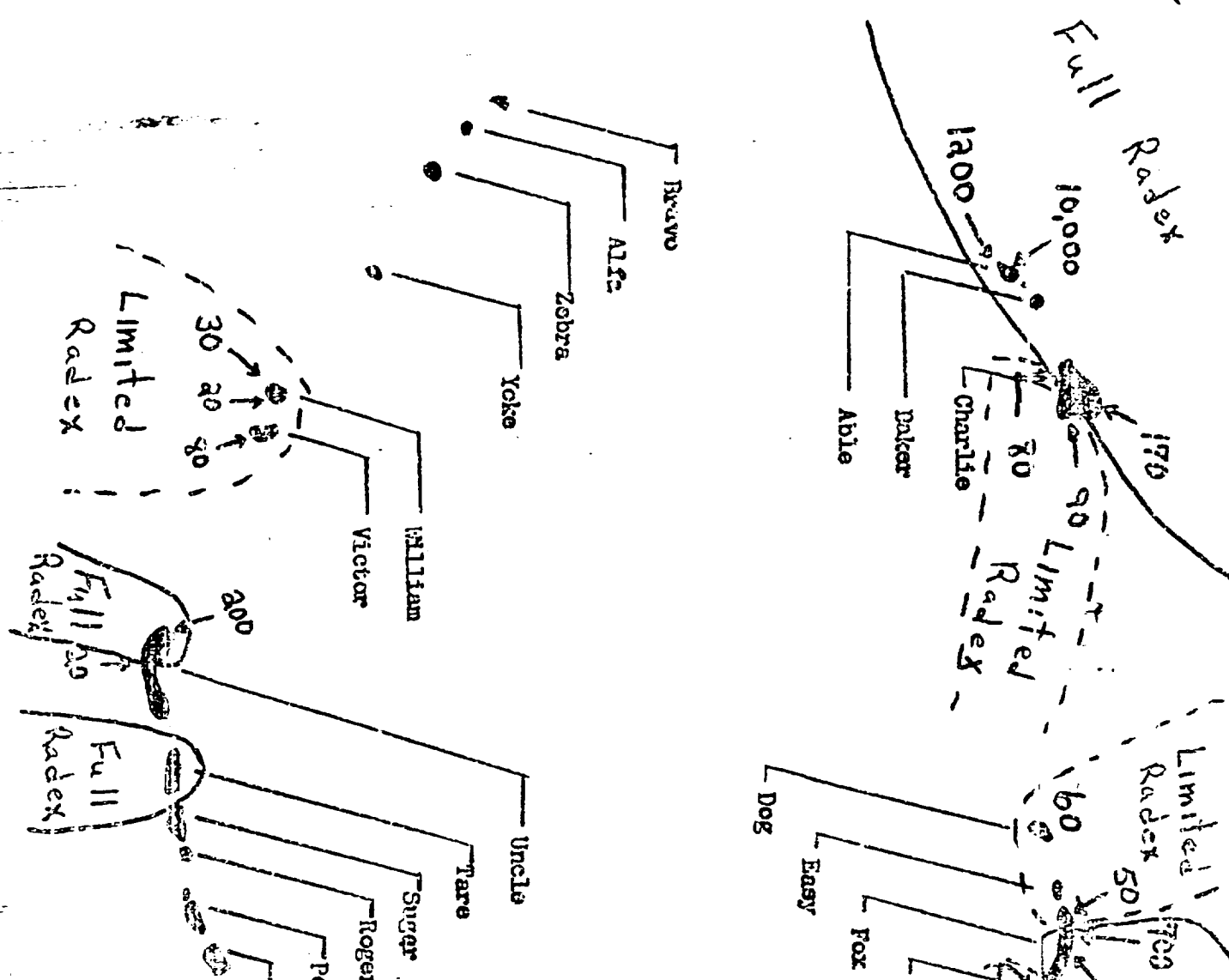


ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1415, 23 JULY, 1958

*A
AMMA
Tom - 110 mr/hr
Room - 110 mr/hr
10 mr/hr

*B
ALPHA
Bottom - 750 cpm
Camera Room - 600 cpm
Top - 300 cpm

----- LIMITED RADEX
----- FULL RADEX



TARE Readings

2270	16
2210	30
2230.01	22
2230.02	12
630.01	60
2420.01	280
2420.02	100
630.02	22
630.03	1

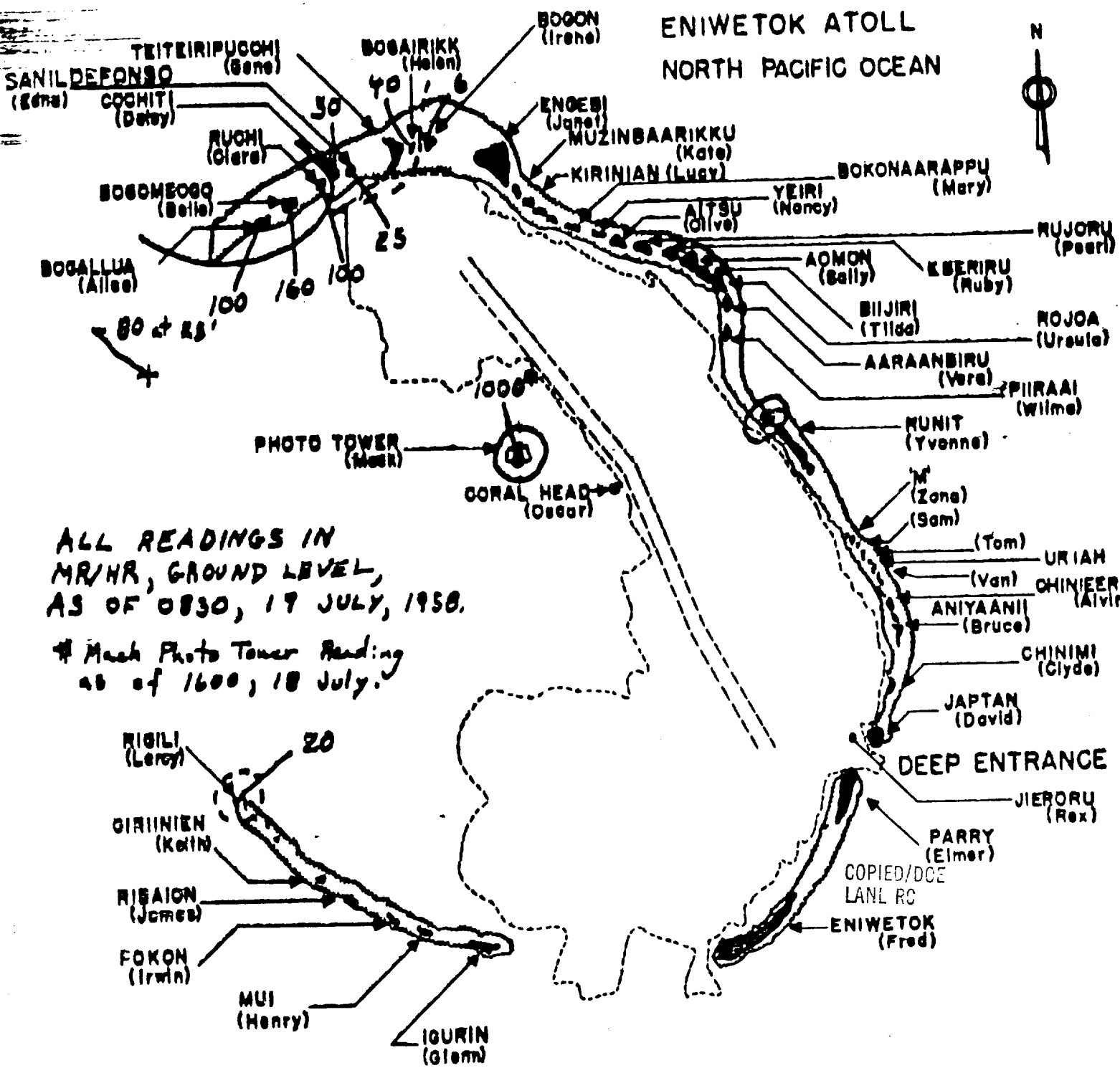
1630 HRS. Love
 17 July 58 Mike
 18 July 58

ALL Readings IN M/HK
 Northern Half of Atoll
 1100 HRS 18 July 58
 Southern Half of Atoll
 0830 HRS 16 July 58

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30

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



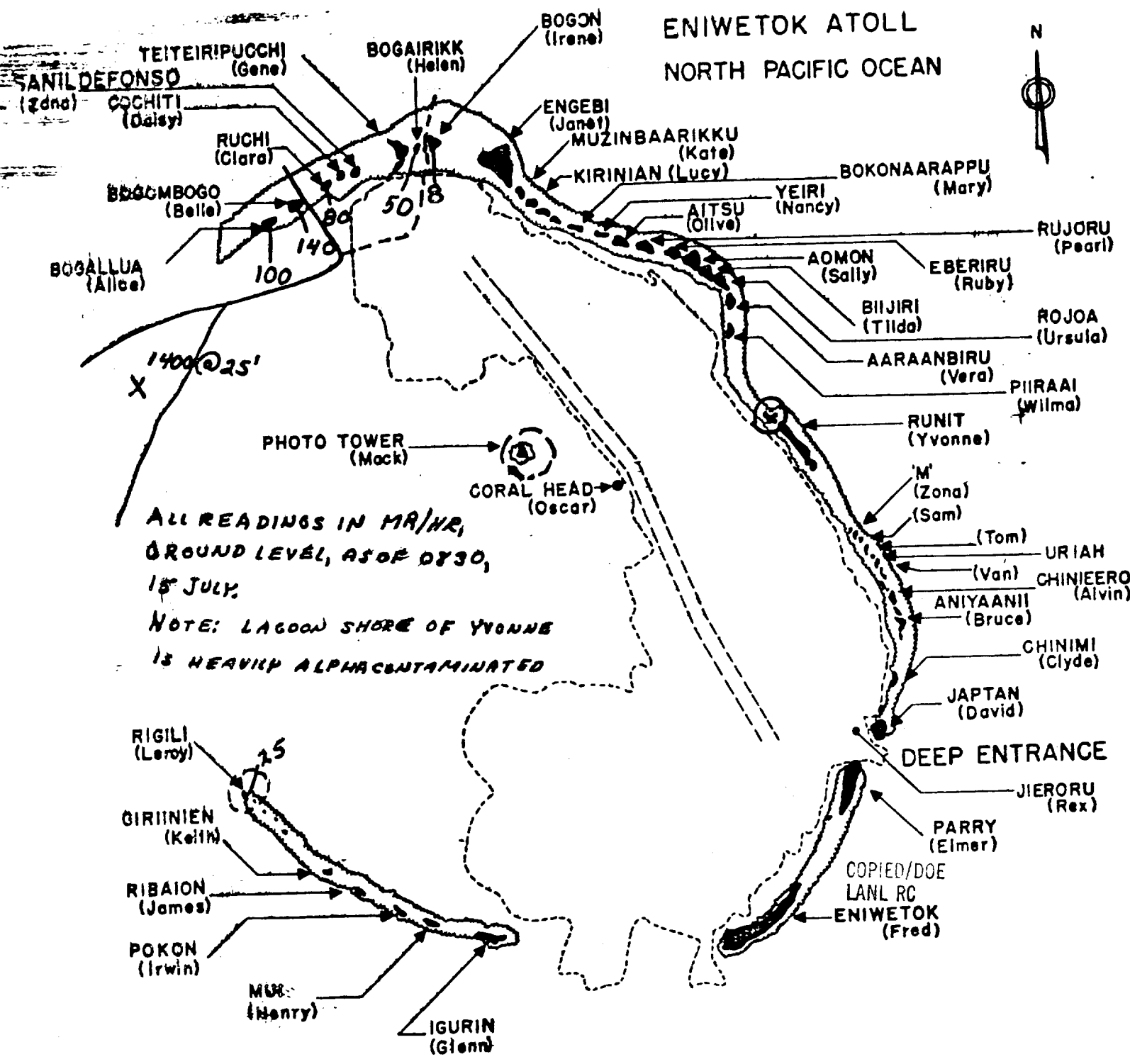
ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0830, 17 JULY, 1958.

Mack Photo Tower Reading
as of 1600, 18 July.

--- LIMITED RADEX
— FULL RADEX

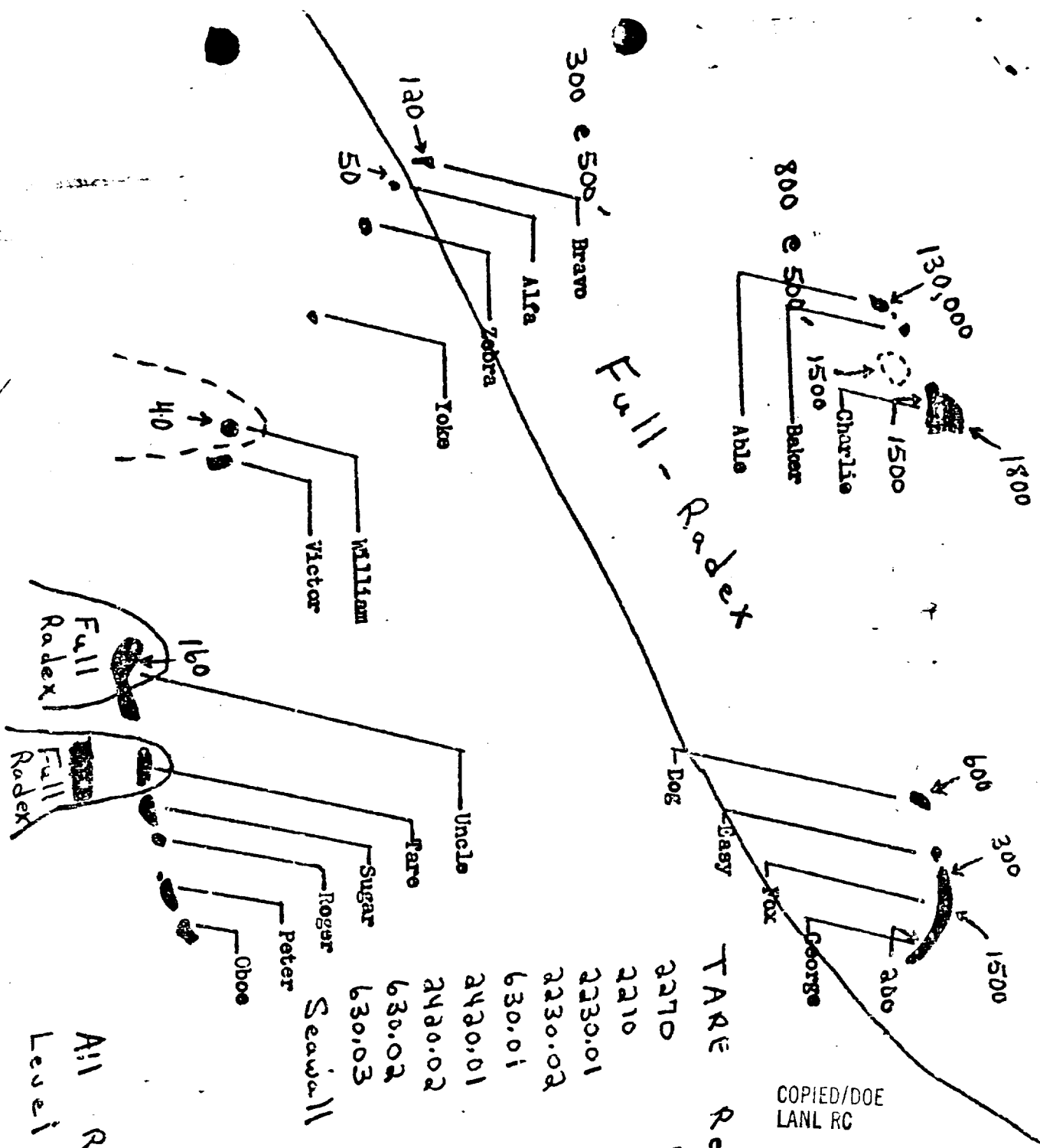
H

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN MR/HR,
GROUND LEVEL, AS OF 0730,
15 JULY.
NOTE: LAGOON SHORE OF YVONNE
IS HEAVILY ALPHACONTAMINATED

———— FULL RADEX
----- LIMITED RADEX

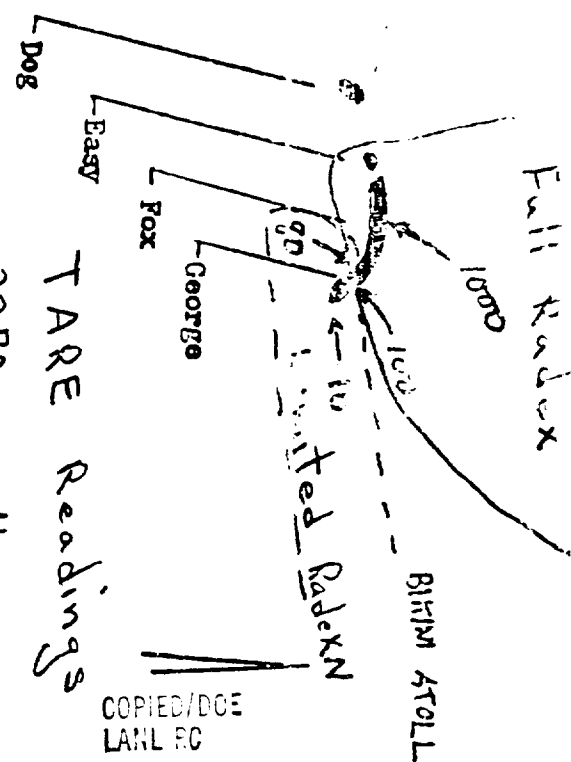
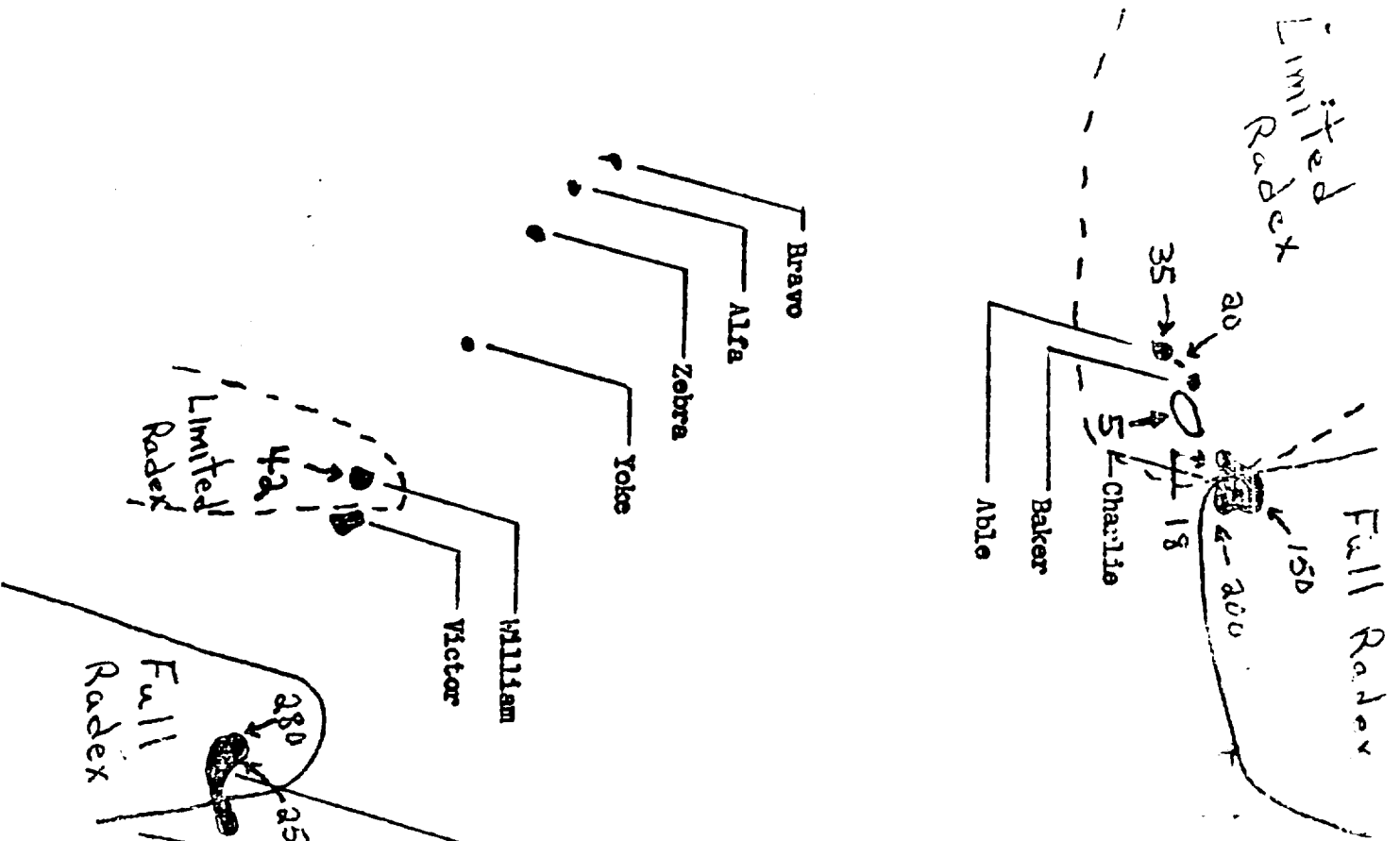


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TARE Readings

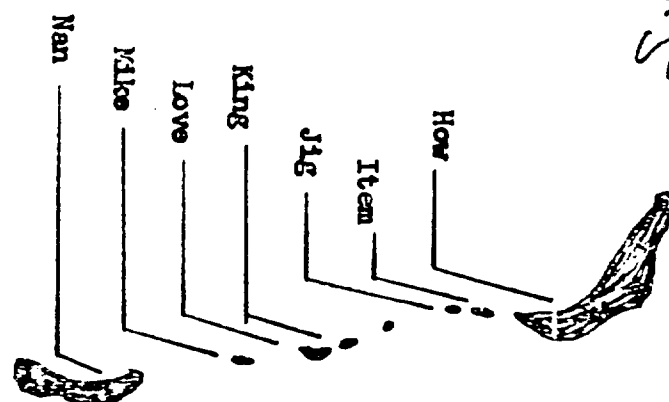
TARE	Readings	Item
2270	140	How
2210	80	Item
2230.01	60	Jig
2230.02	30	King
630.01	140	Love
2420.01	400	Mike
2420.02	60	Nan
630.02	160	
630.03	4	
Seawall	20-40	

All Readings At Ground
Level In MR/HR As of
1500 HRS. 13 July 58

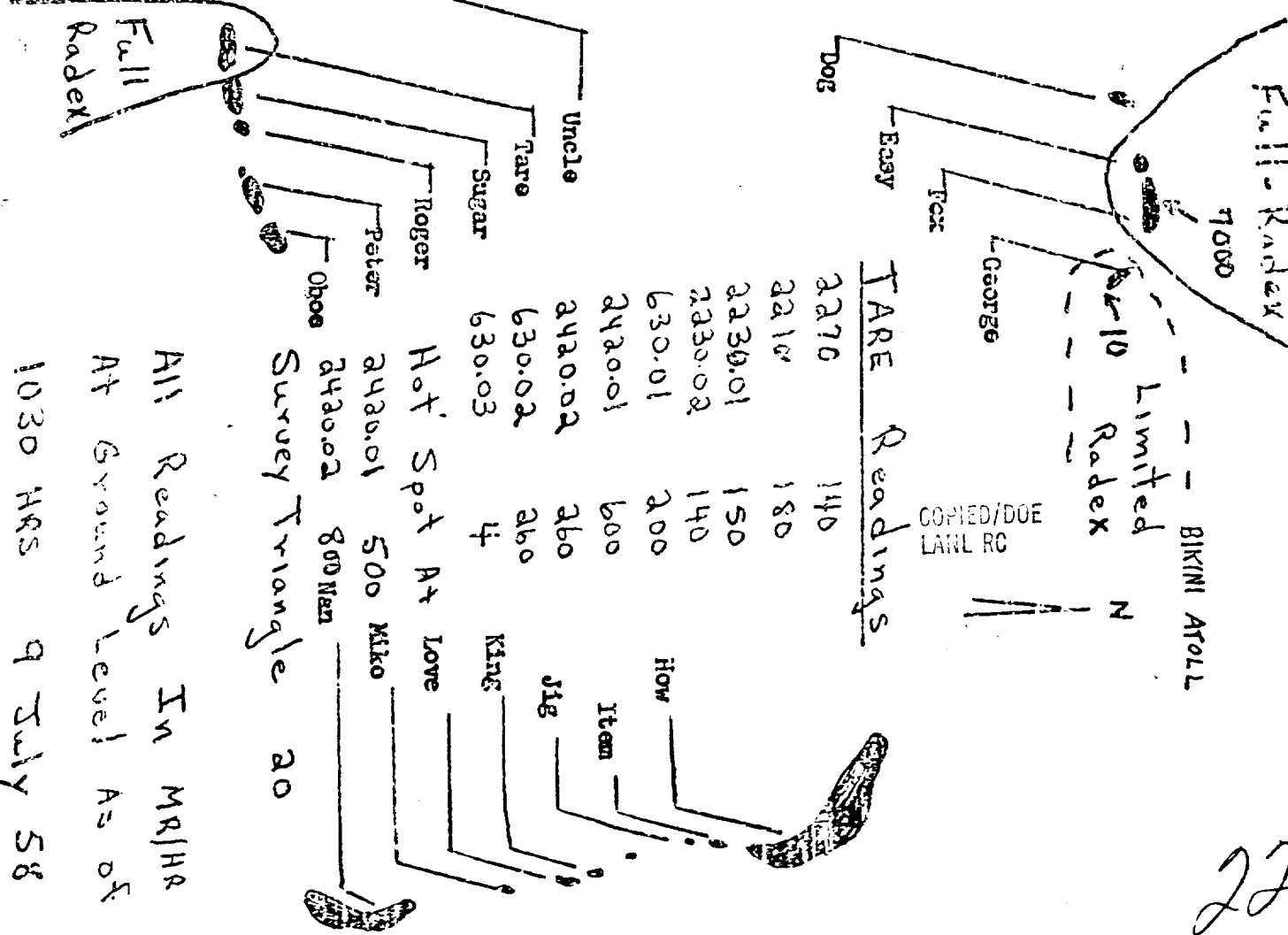
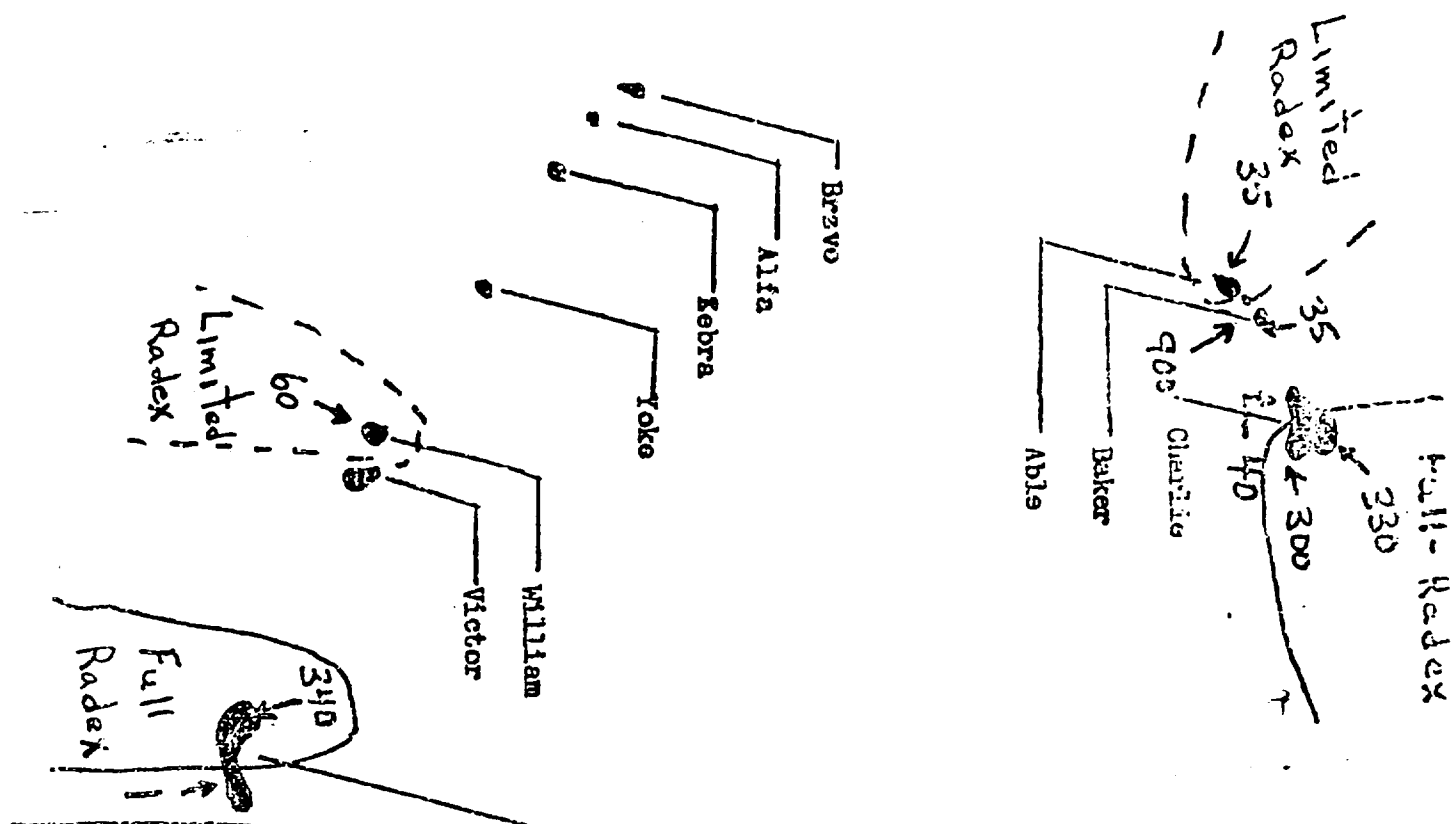


TARE Readings

2270	160
2210	100
2230.01	120
2230.02	110
630.01	160
2420.01	600
2420.02	250
630.02	220
630.03	4



All Readings In M/R/H
 At Ground Level As of
 0800HRS 10 July 58



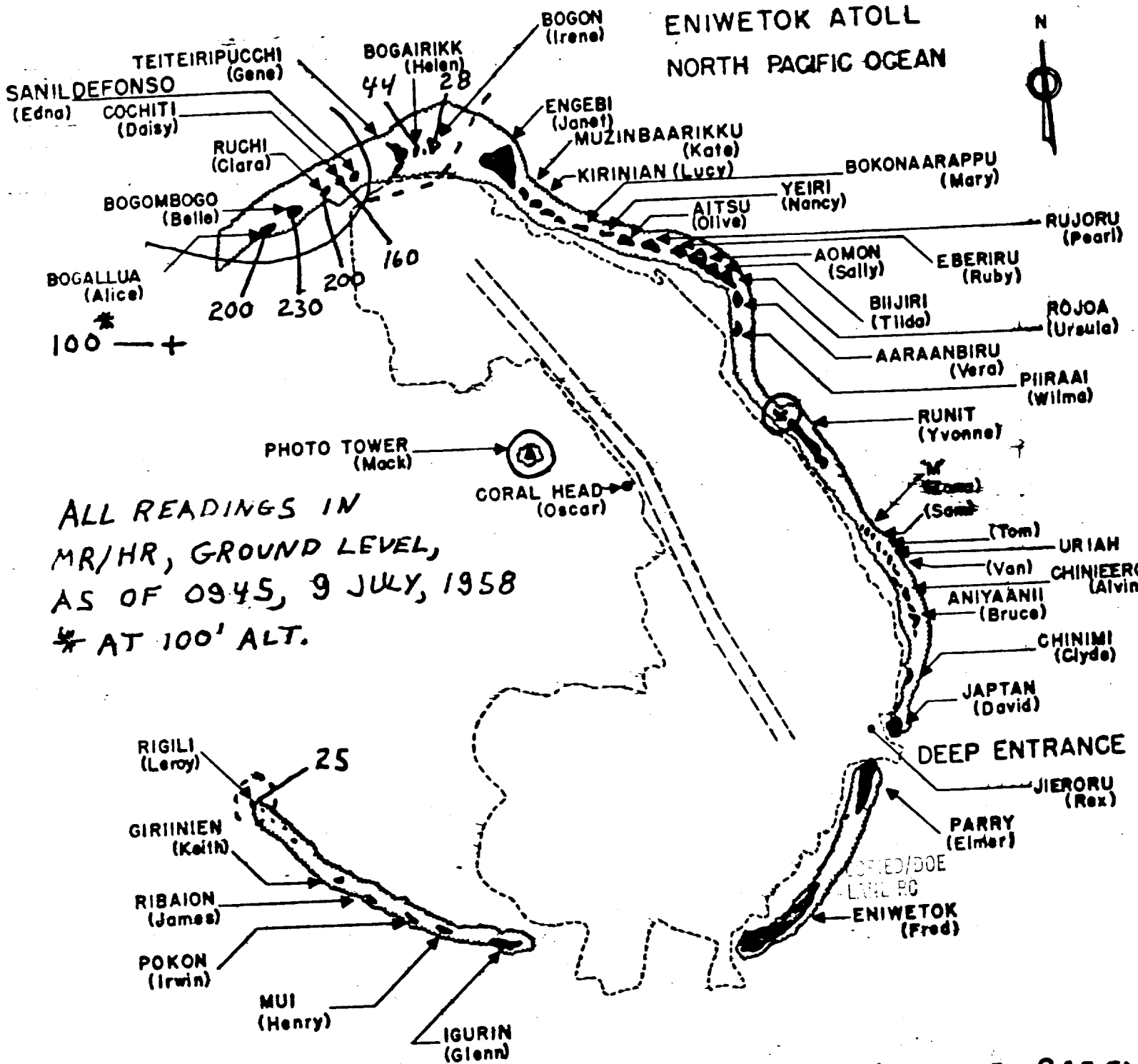
TARE Readings

2276	140
2214	180
2230.01	150
2230.02	140
630.01	200
2420.01	600
2420.02	260
630.02	260
630.03	4

Hot Spot At Love
 2420.01 500 Miko
 2420.02 800 Man
 Survey Triangle 20

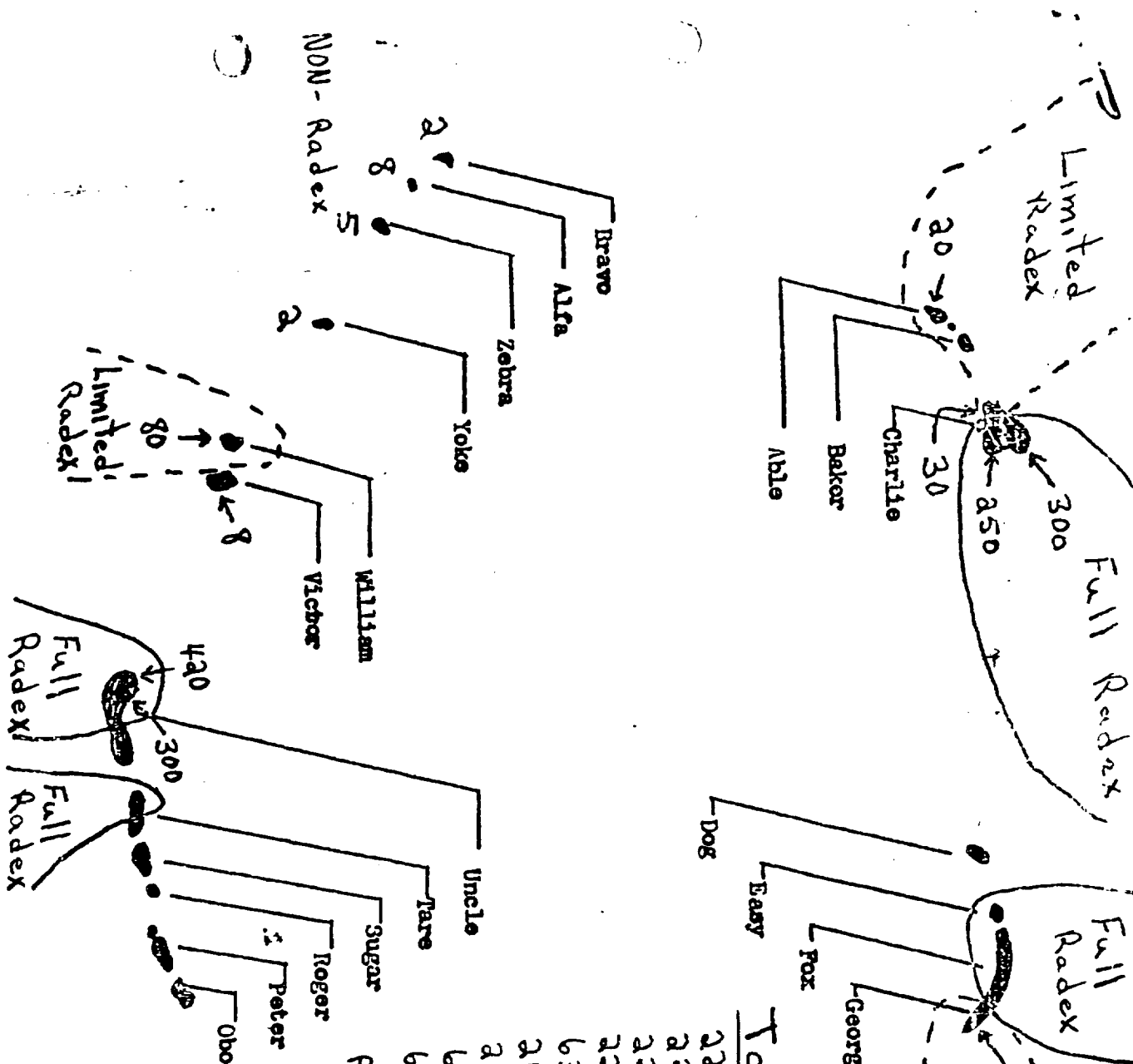
All Readings In MR/HR
 At Ground Level As of
 1030 HRS 9 July 58

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0945, 9 JULY, 1958
* AT 100' ALT.

--- LIMITED RADEX
— FULL RADEX



Tax Readings

2270	230
2210	200
2230.01	220
2230.02	200
630.01	260
2420.01	600
2420.02	300
630.02	300
630.03	5

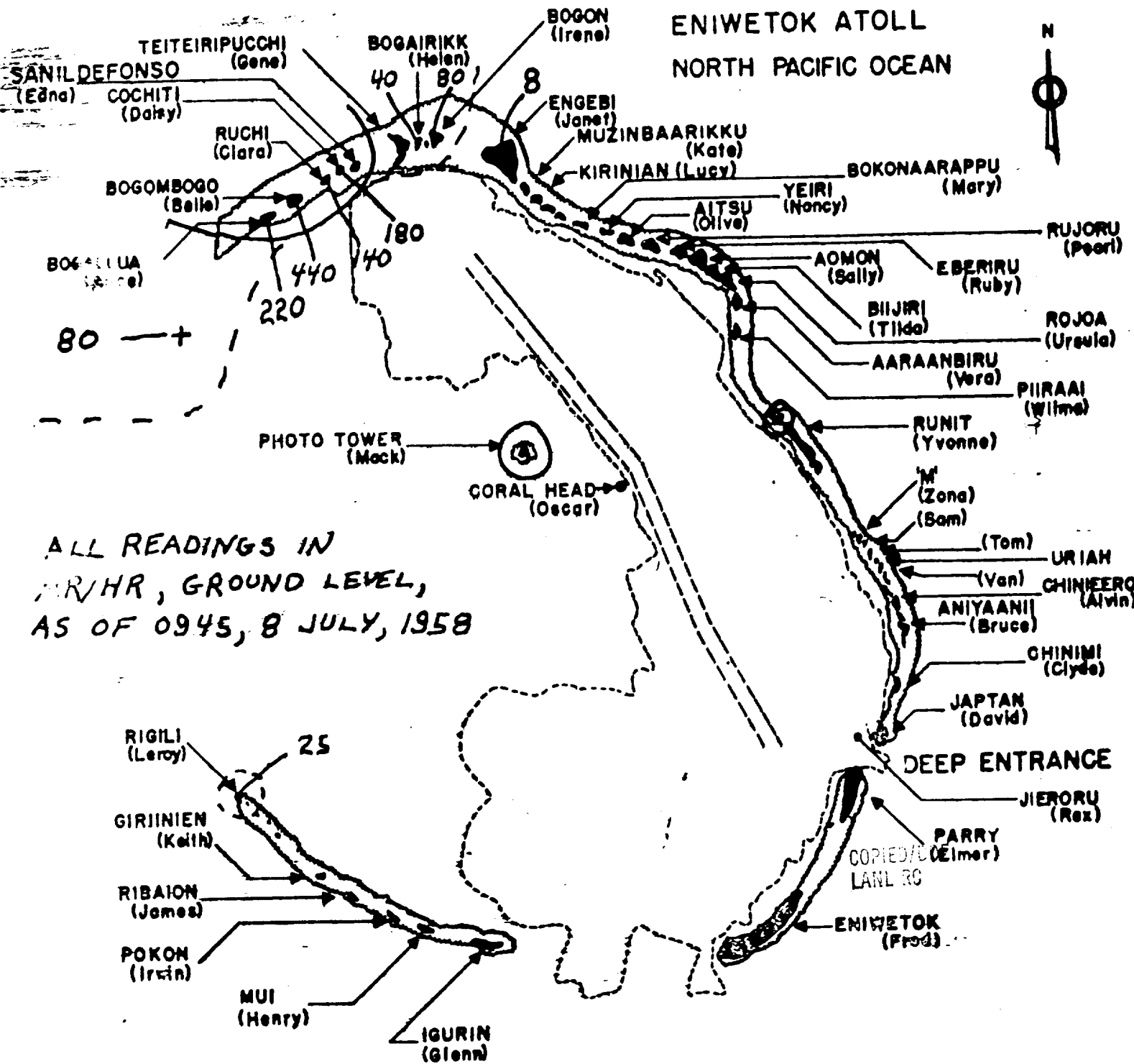


ALL Readings In MR/HR
 At Ground Level As of
 0800 HRS. 8 July 58

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2

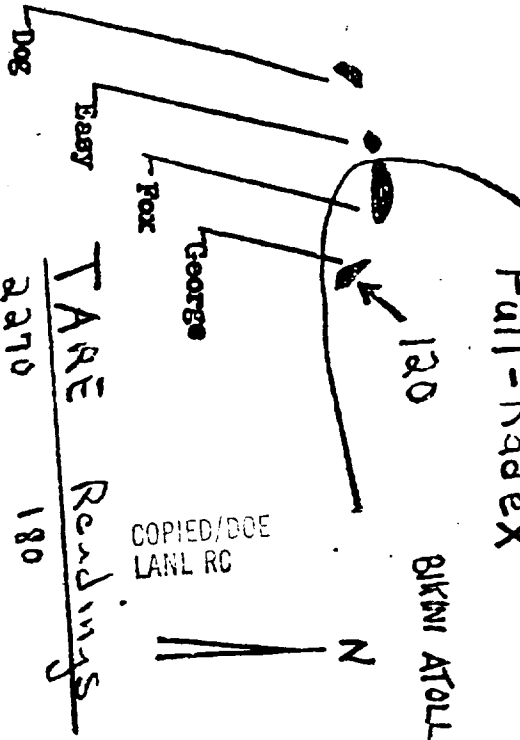
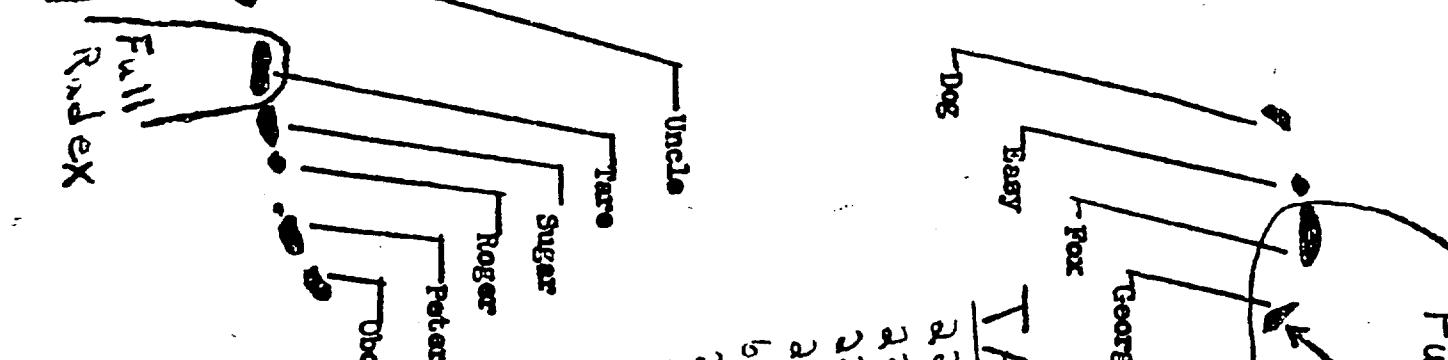
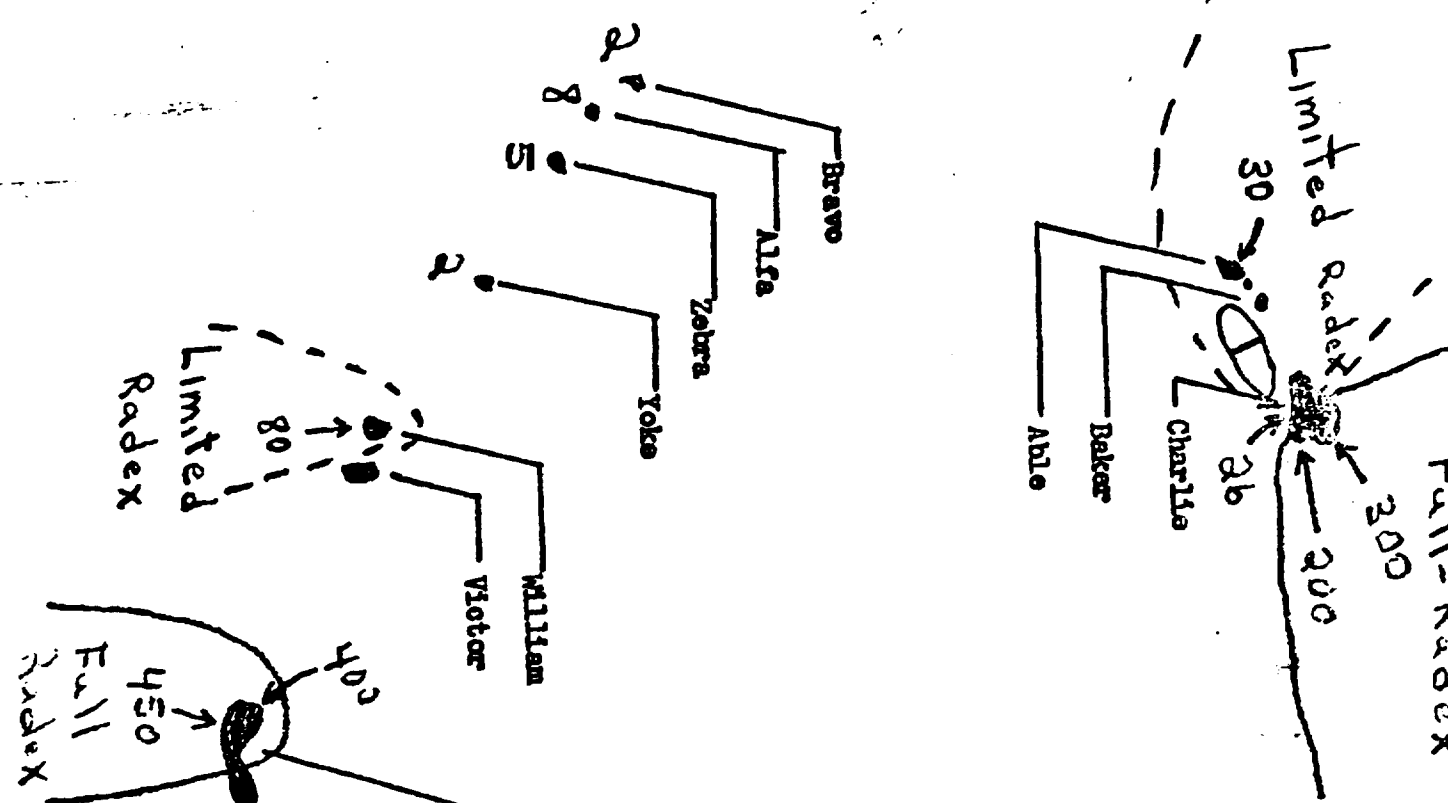
ENIWETOK ATOLL NORTH PACIFIC OCEAN



ALL READINGS IN
FT/HR, GROUND LEVEL,
AS OF 0945, 8 JULY, 1958

--- LIMITED RADEX
— FULL RADEX

26



TARE Readings

2270	180	How	240
2210	170	Item	600
2230.01	140	King	100
2230.02	160	Love	300
630.01	240	Mike	700
2420.01	600	Man	900
2420.02	300		
2420.02	100		
630.02	3		
630.03			

North End 100
South End 300

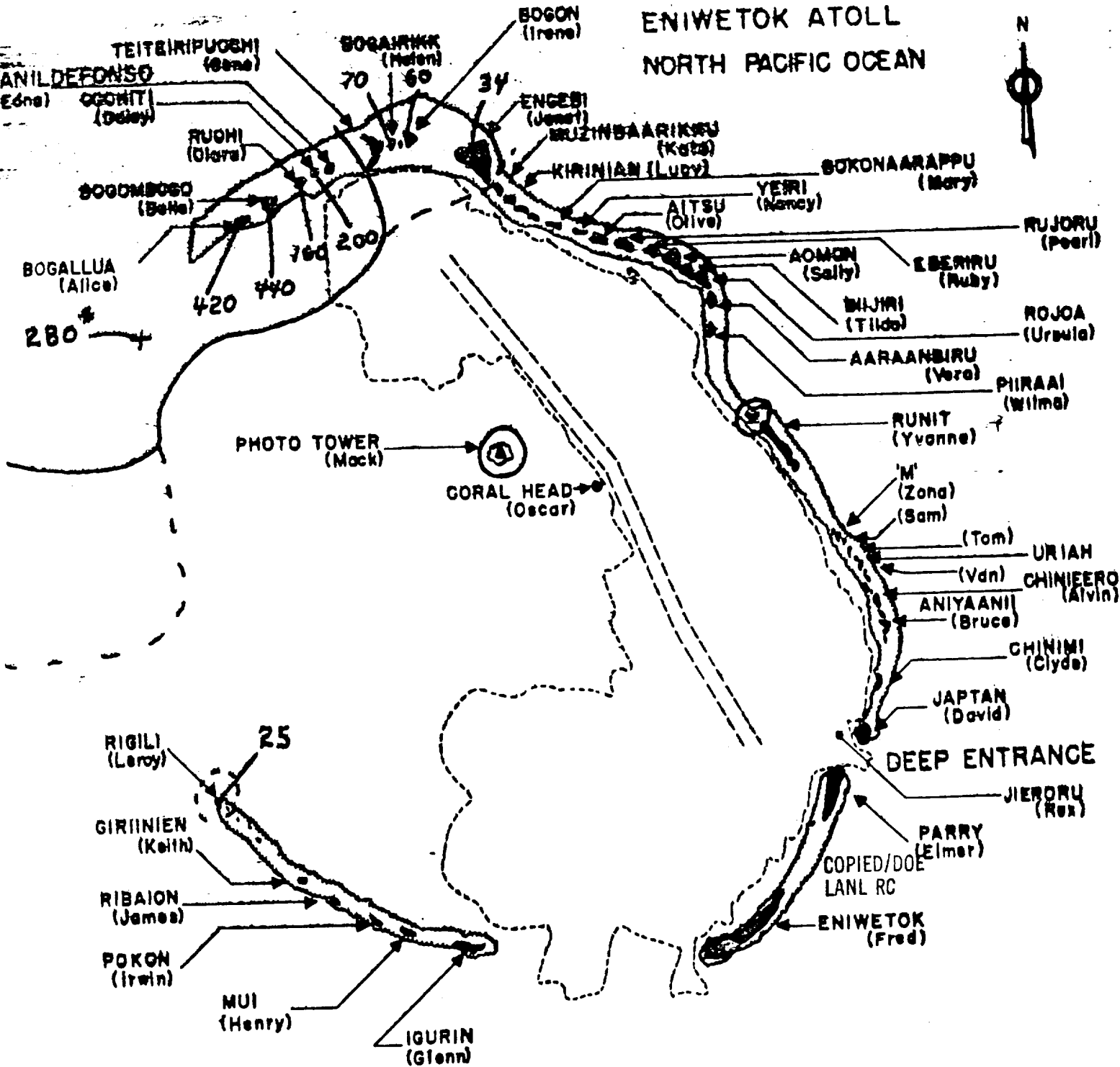
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All Readings In M/R/H/R
At Ground Level As of

0930 hrs. 7 July 58

2

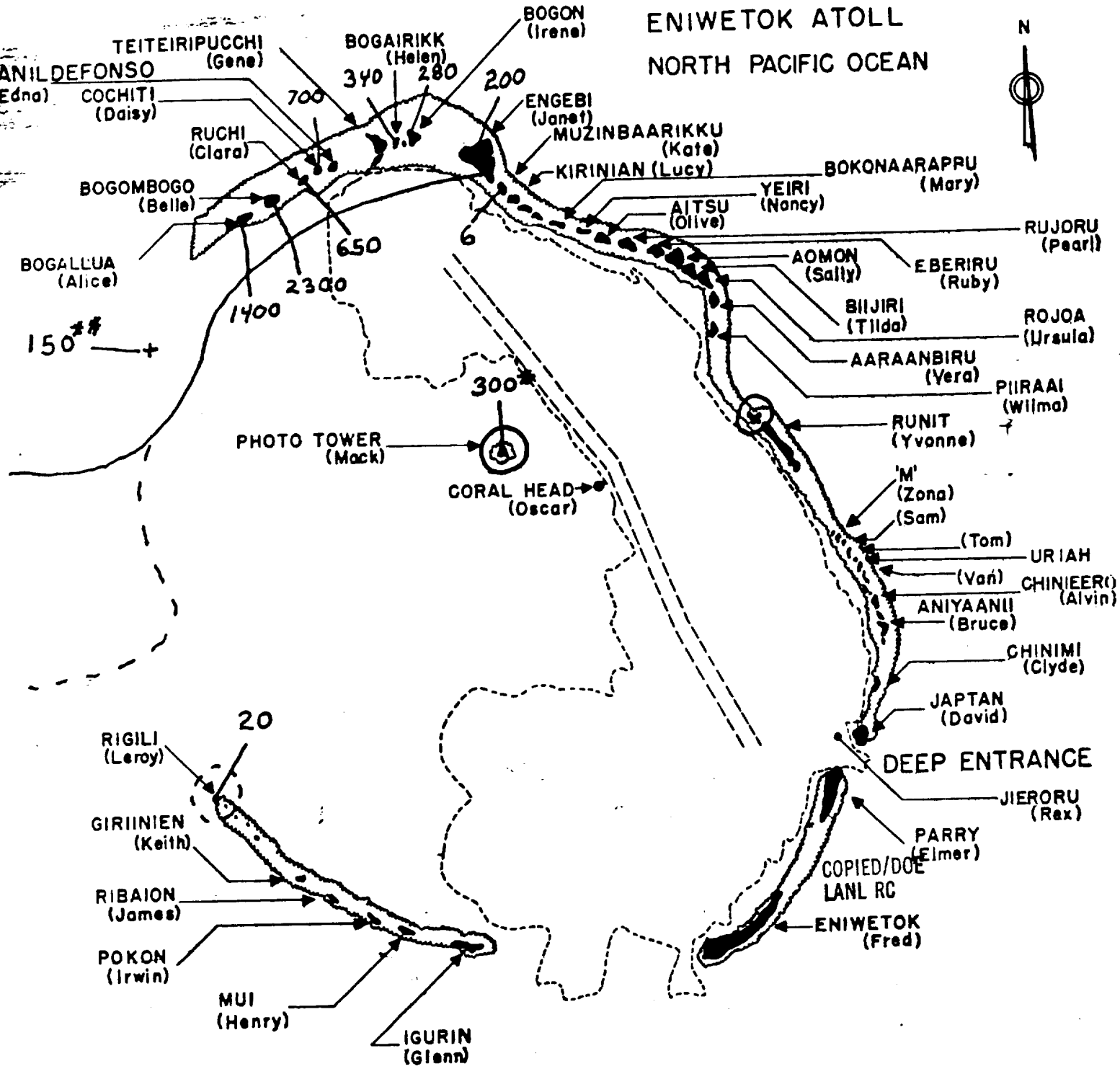
ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0945, 7 JULY, 1958
* AT 100' ALT.

--- LIMITED RADEX
— FULL RADEX

ENIWETOK ATOLL
NORTH PACIFIC OCEAN

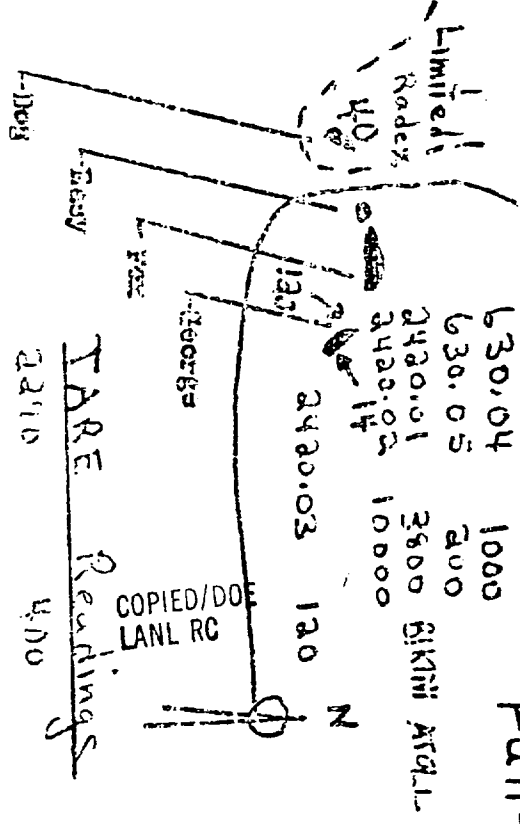
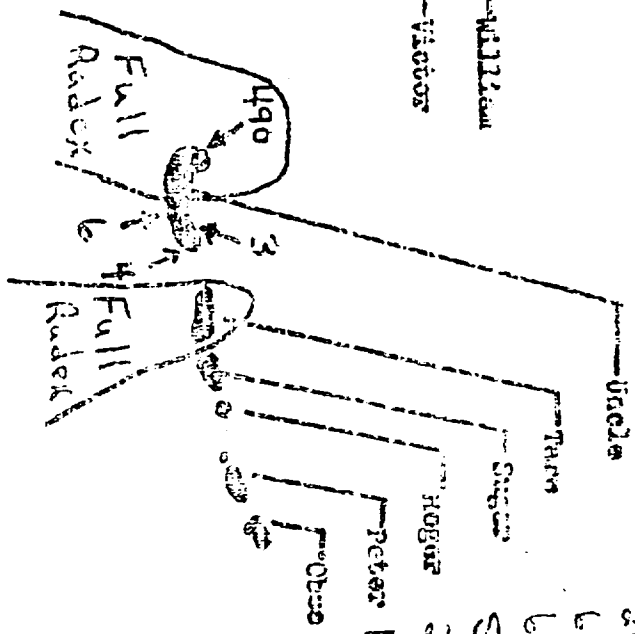
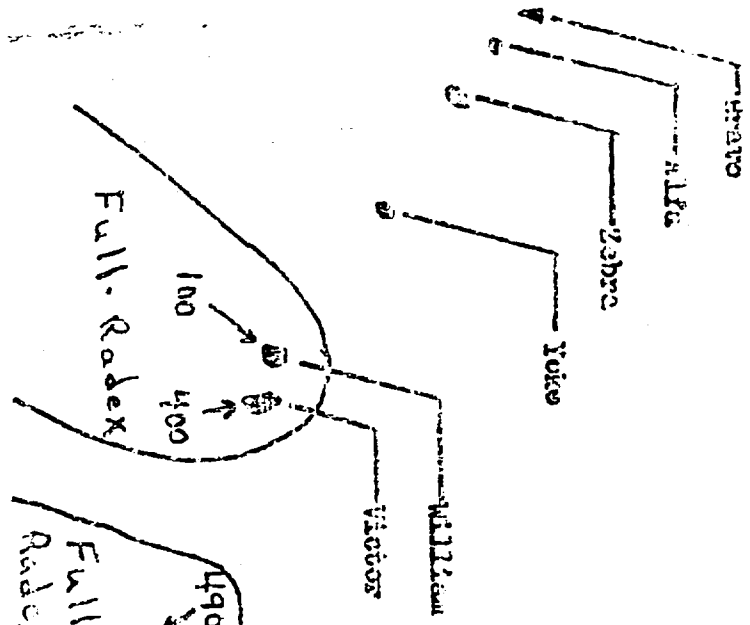
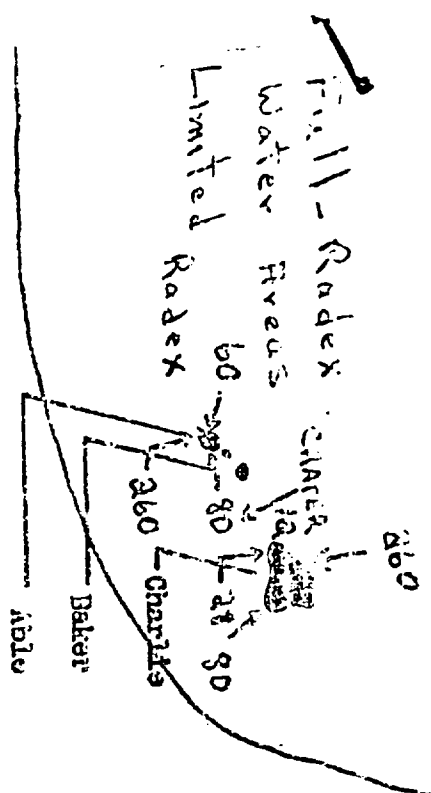


ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1400, 6 JULY, 1958
* 1045 HRS., 6 JULY, 1958
** AT 200' ALT.

--- LIMITED RADEX
— FULL RADEX

28

Full - Radex
Water Frens
Limited Radex



TARE Readings

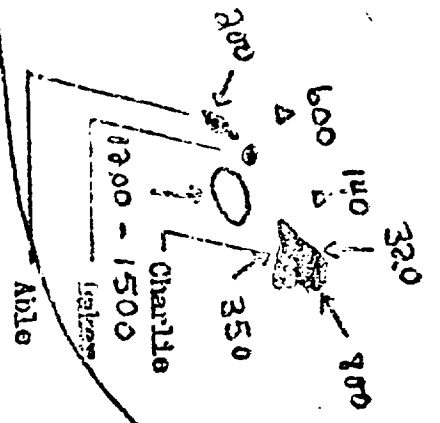
630.04	1000	Full - Radex
630.05	200	
2420.01	3500	SIXTH ATCLL
2420.02	10000	
2420.03	120	
2410	400	
2210	110	
2230.01	105	
2230.02	105	
630.01	180	
2420.01	1800	
2420.02	300	
630.02	25	
630.03	5	
Sandbags	At	
2430.02	200	
Peter North Sewall	100	
Oss	100	
South End of Sewall	600	
King	1100	
Iron	1100	

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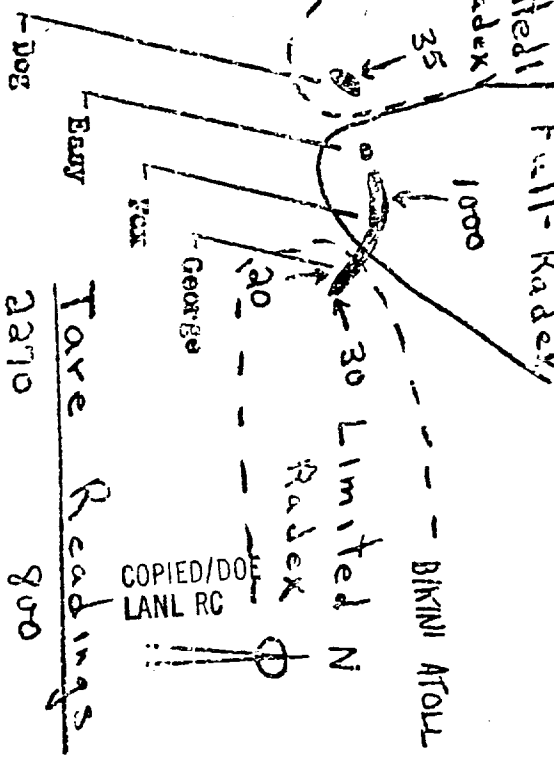
ALL Readings In MR1HR
At Ground Level As of
0830 HRS. 5 July 58

Full - Radex

Full-Radex



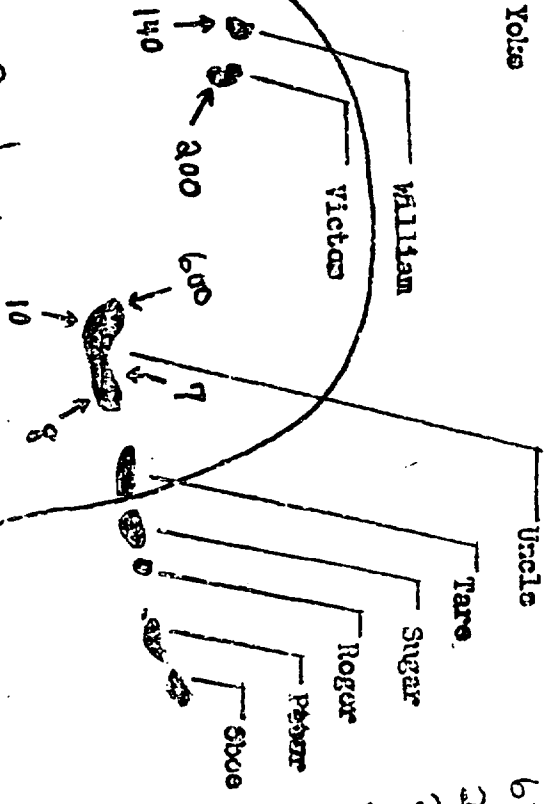
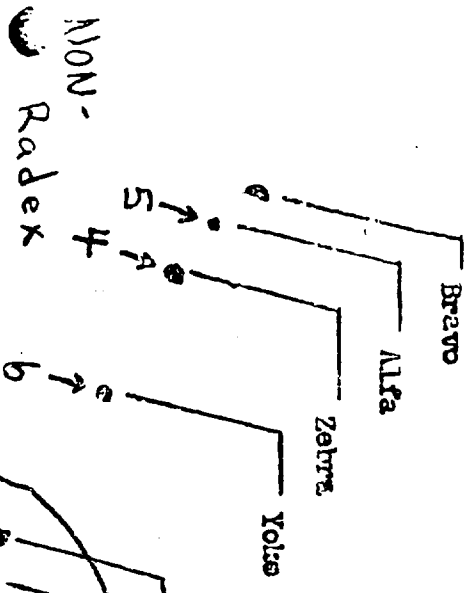
Limited Radex



Tare Readings

2270	800	Item
2230.01	800	
2232.02	1000	
2420.01	2800	How
2420.02	600	
630.03	4	
630.02	200	
2210	500	Jig
2260	2000	King
Survey Triangles		
40	800	Wicks
630.01	800	Net

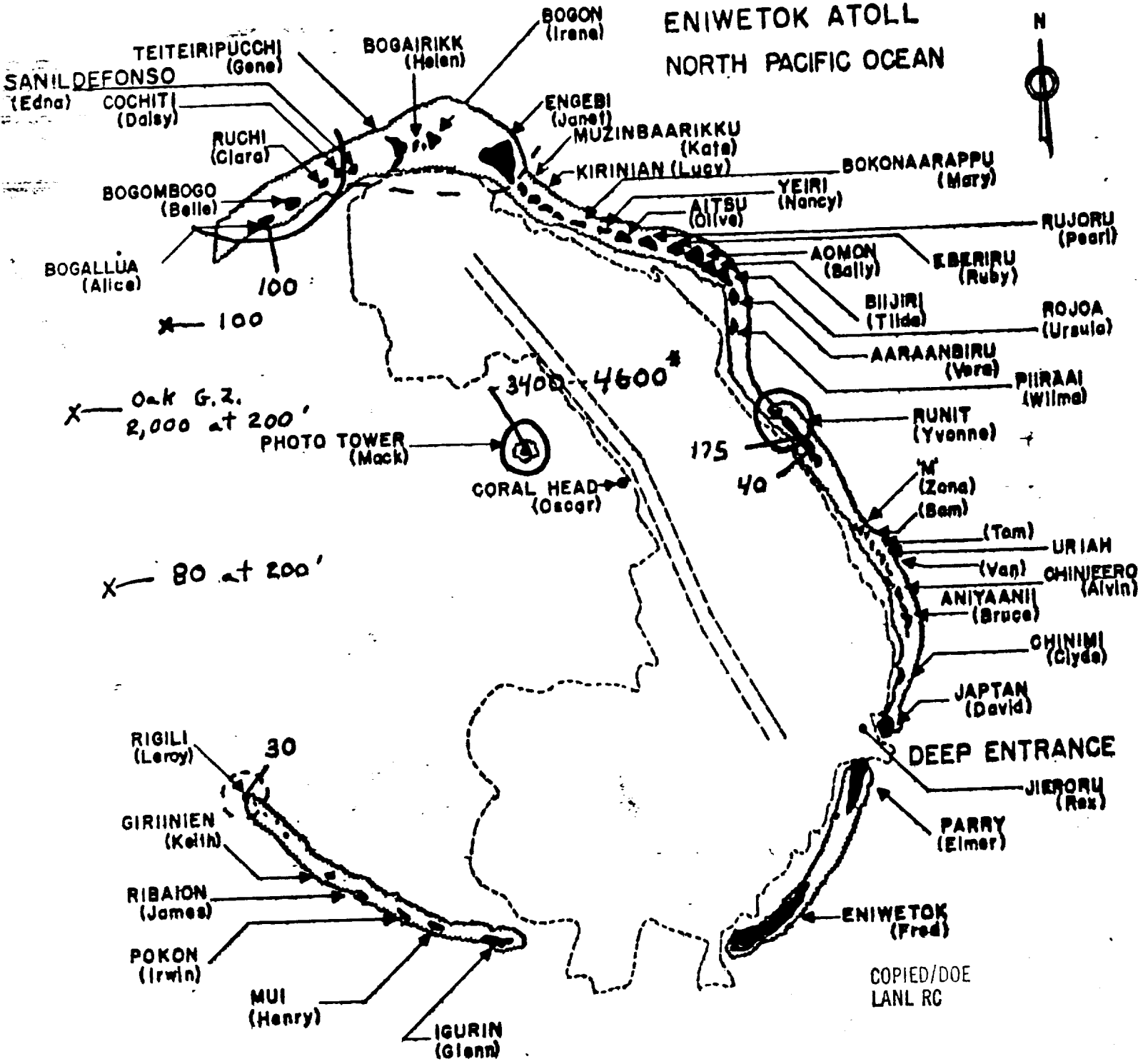
Full-Radex



ALL Readings In Major
At Ground Level as of
1440 HRS 3 July 58

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ENIWETOK ATOLL
NORTH PACIFIC OCEAN



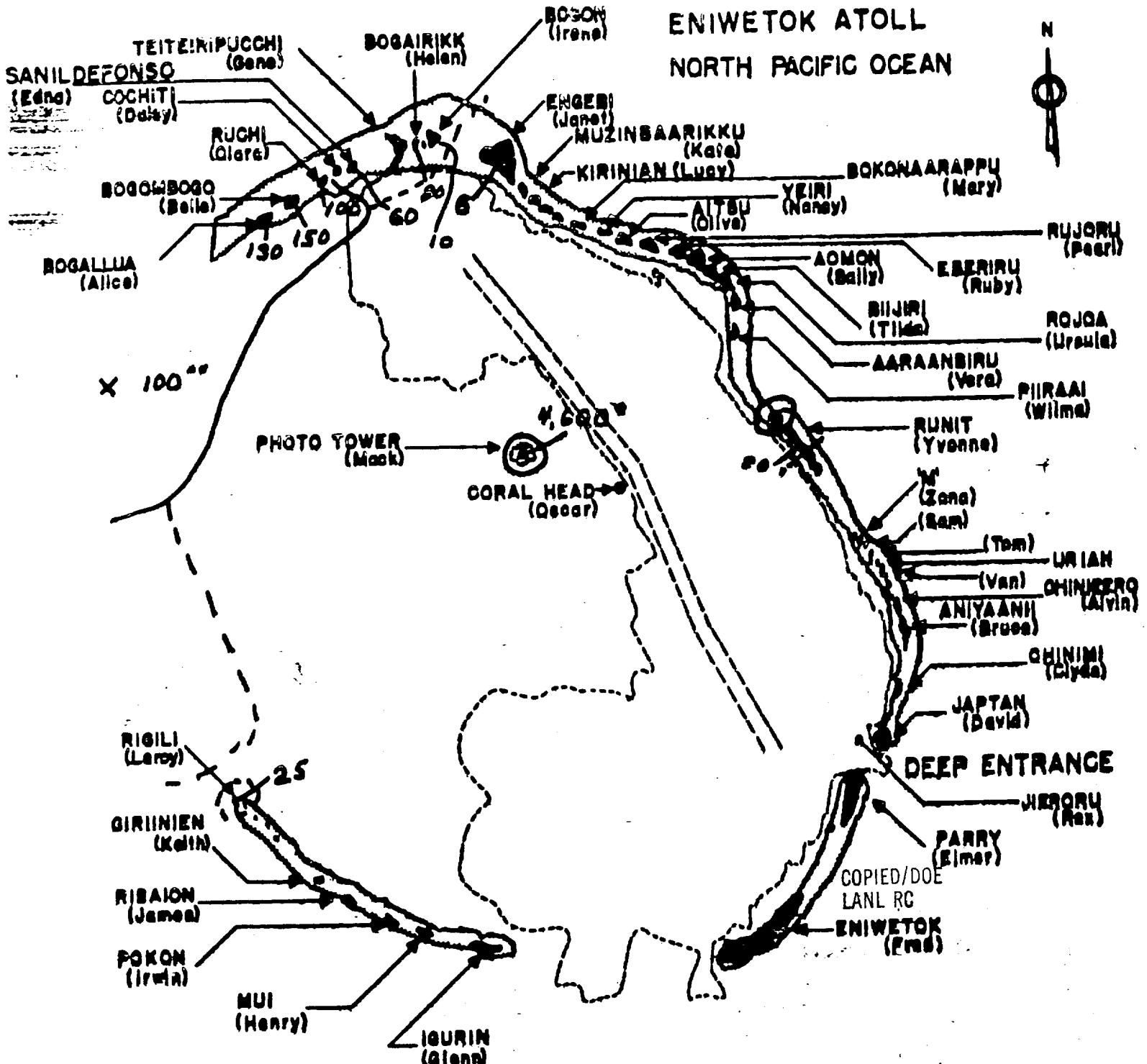
ALL READINGS IN
MR/HR, AS OF 1500,
2 JUNE, 1958

* Lower Platform - 3400
Upper Platform - 4600

----- LIMITED RADEX
———— FULL RADEX

32

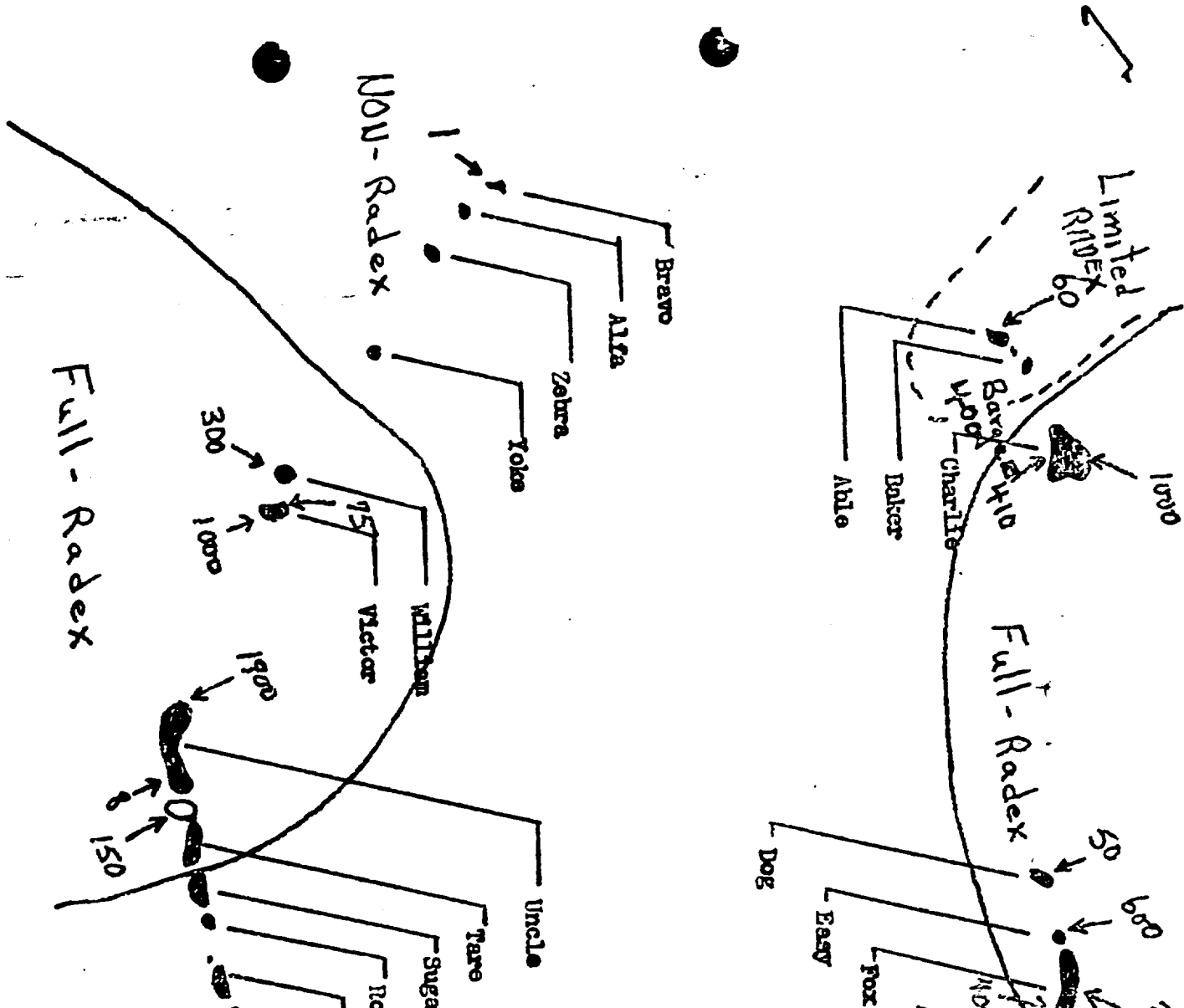
ENIWETOK ATOLL NORTH PACIFIC OCEAN



ALL READINGS IN METERS.
GROUND LEVEL, AS OF 0815
HRS, 2 JULY 1958
* 1415 HRS 2 JULY
** READING AT 200' ACT.

———— FULL RADER
----- LIMITED RADER

32



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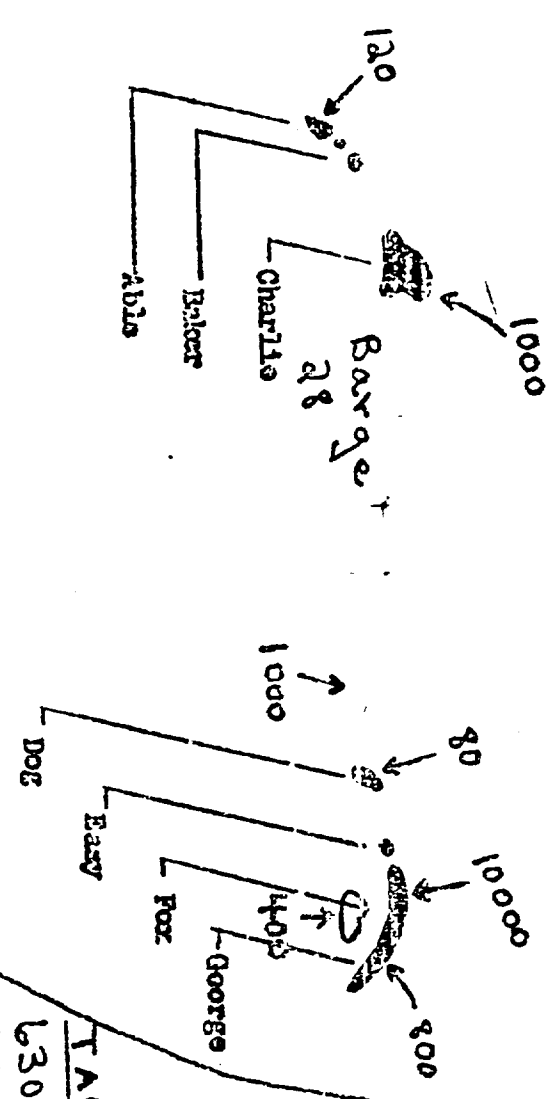
TARE Readings

630.03	30	30
630.02	3-4000	8,000
2420.02	2000 How	3,000
2230.02	Item	2270
2230.01		
2270		

King
Love
Mike
Nan

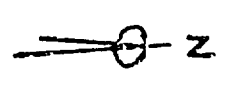
ALL Readings In MR/HR
At Ground Level As of
1400 HRS. 1 July 58

225

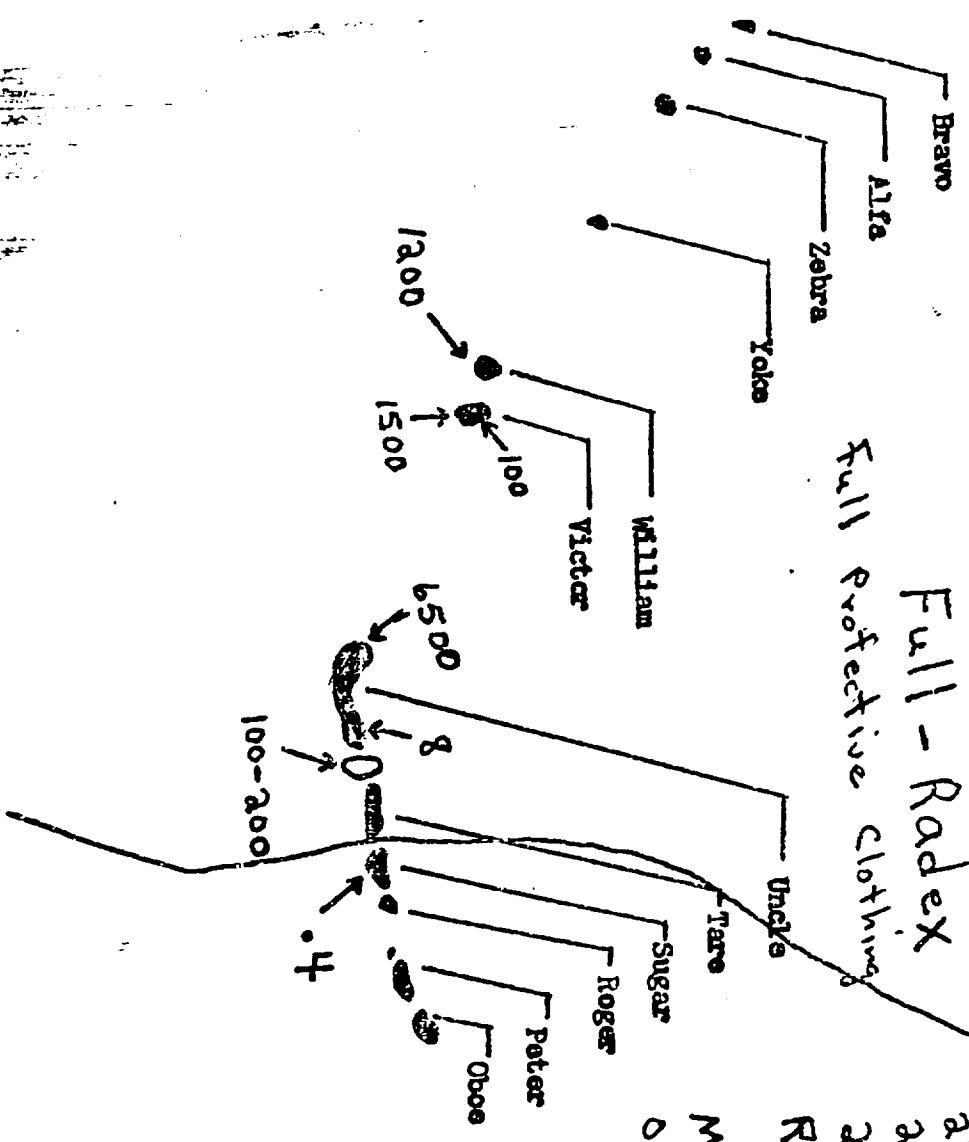


BIKINI ATOLL

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Full - Radex
Full Protective Clothing



TARE Readings

630.03	80
630.02	8000
2420.02	10000
2420.01	4500
2270	45000 How
	1000 Ocean Side Item
	1000 J18

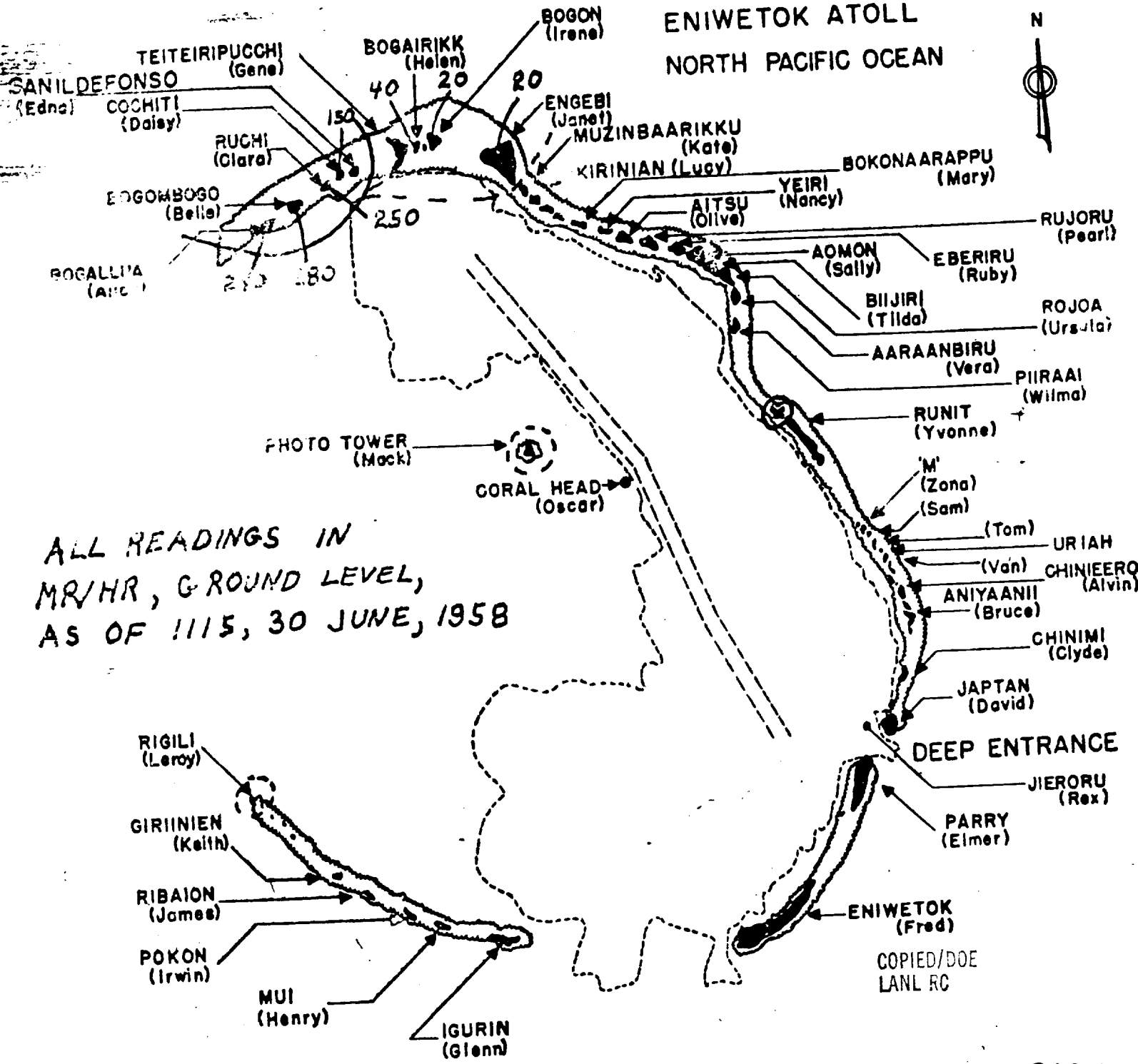
Max Reading King
ON TARE 12,000 Love

Mike
Nan

ALL Readings IN MATH
At Ground Level As of
1430 HRS. 30 June 58

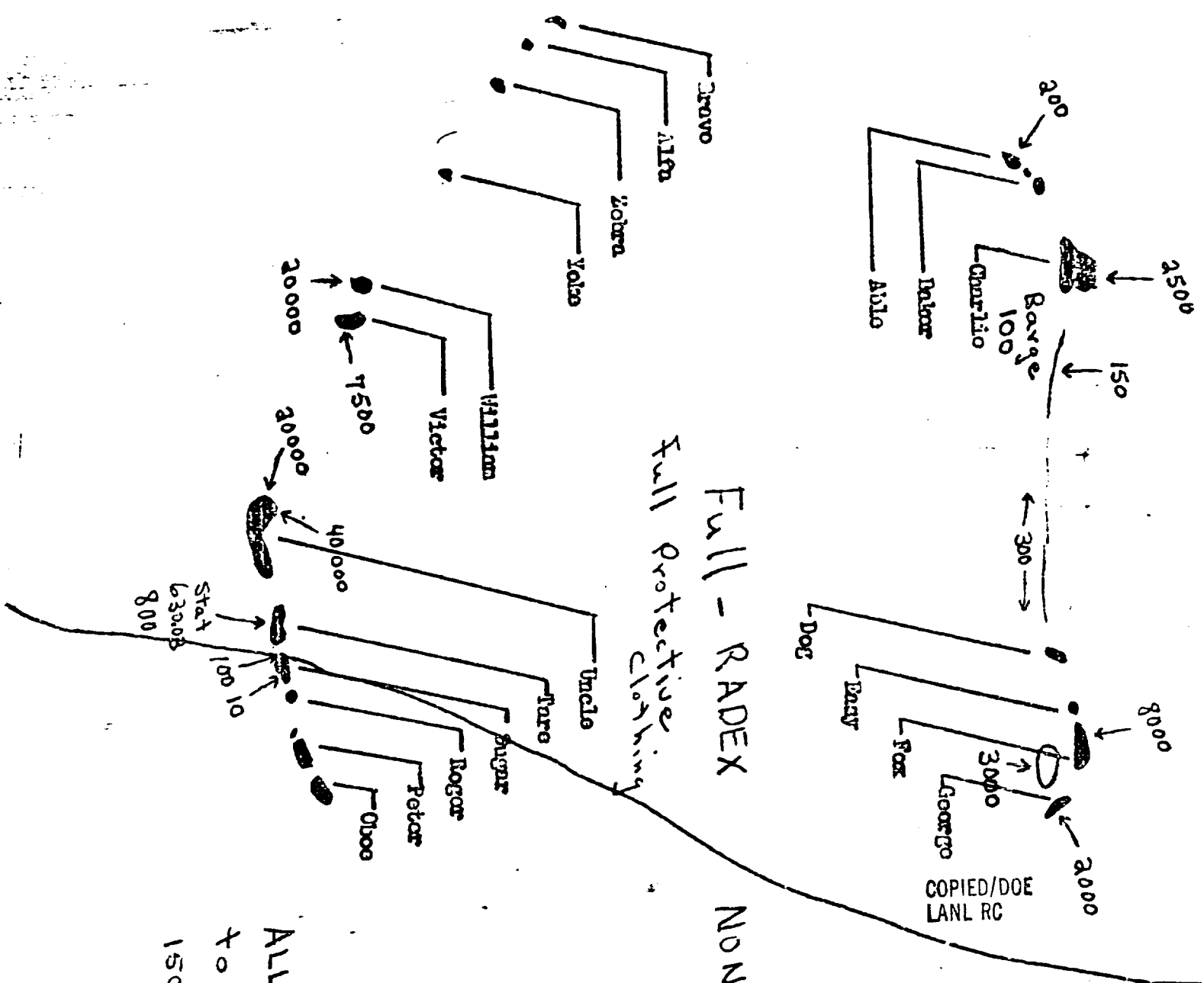
32

ENIWETOK ATOLL
NORTH PACIFIC OCEAN

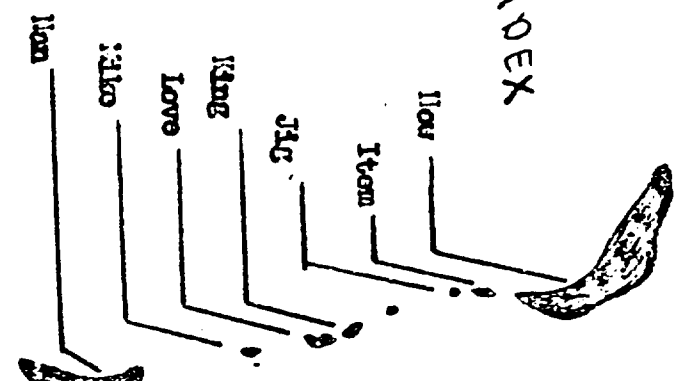


ALL READINGS IN
MP/HR, GROUND LEVEL,
AS OF 1115, 30 JUNE, 1958

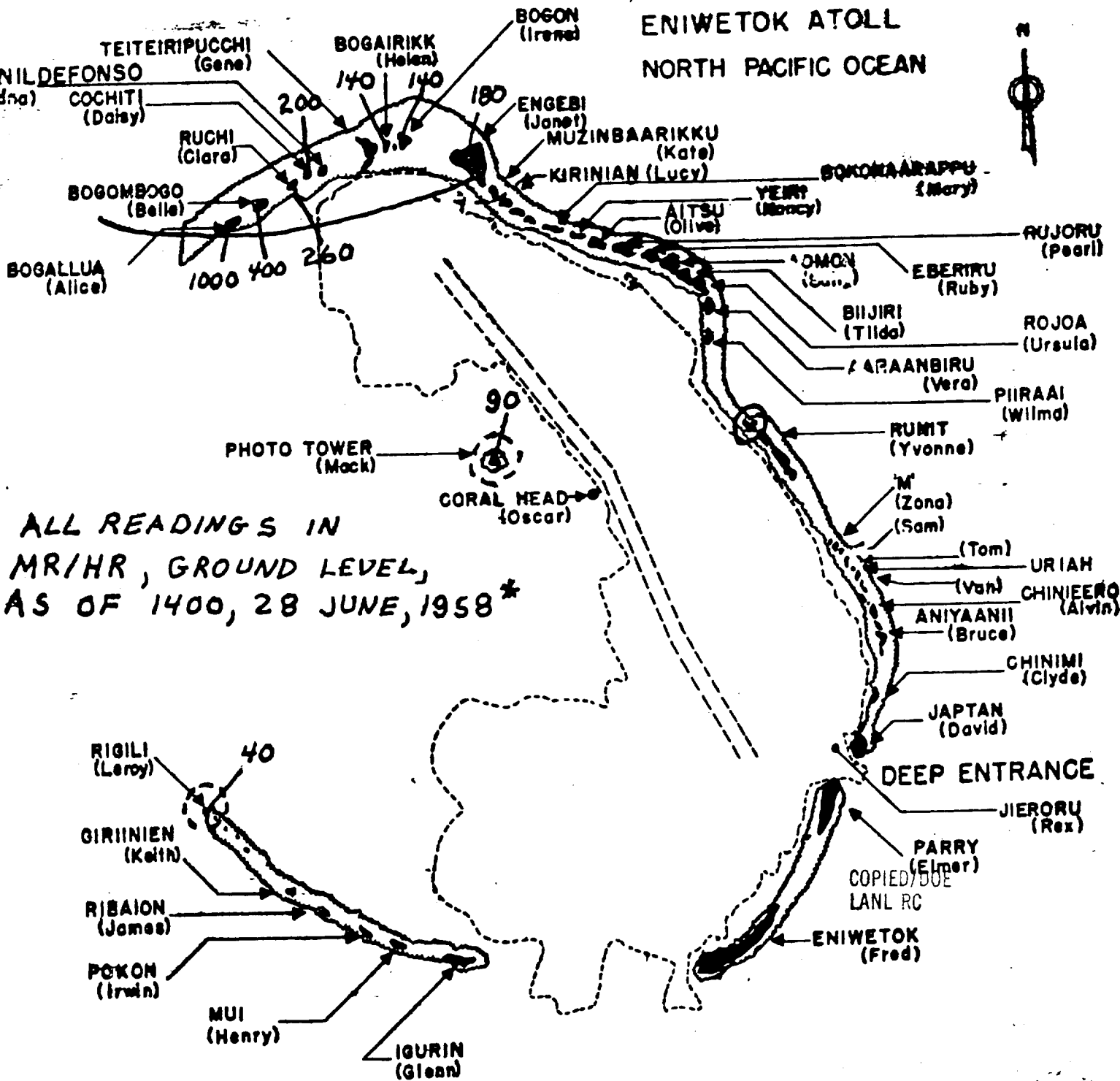
--- LIMITED RADEX
— FULL RADEX



ALL Readings Extrapolated to Ground Level At 1500 HRS. 29 June 51.



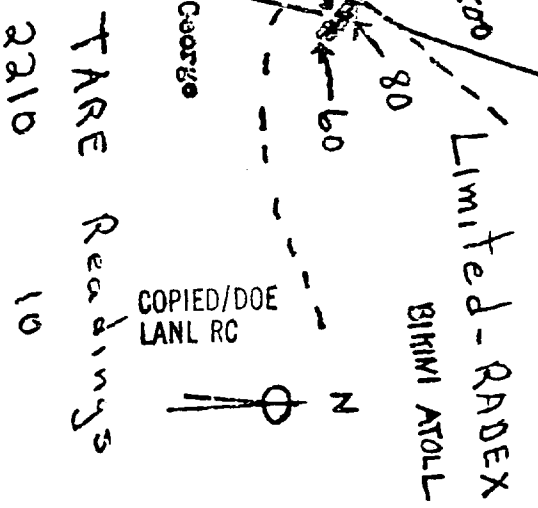
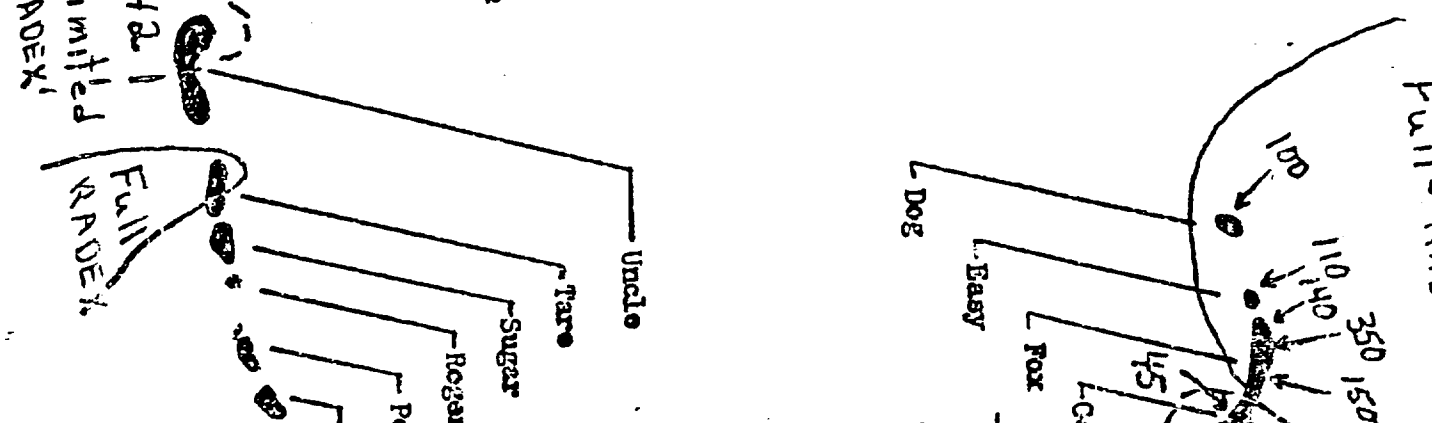
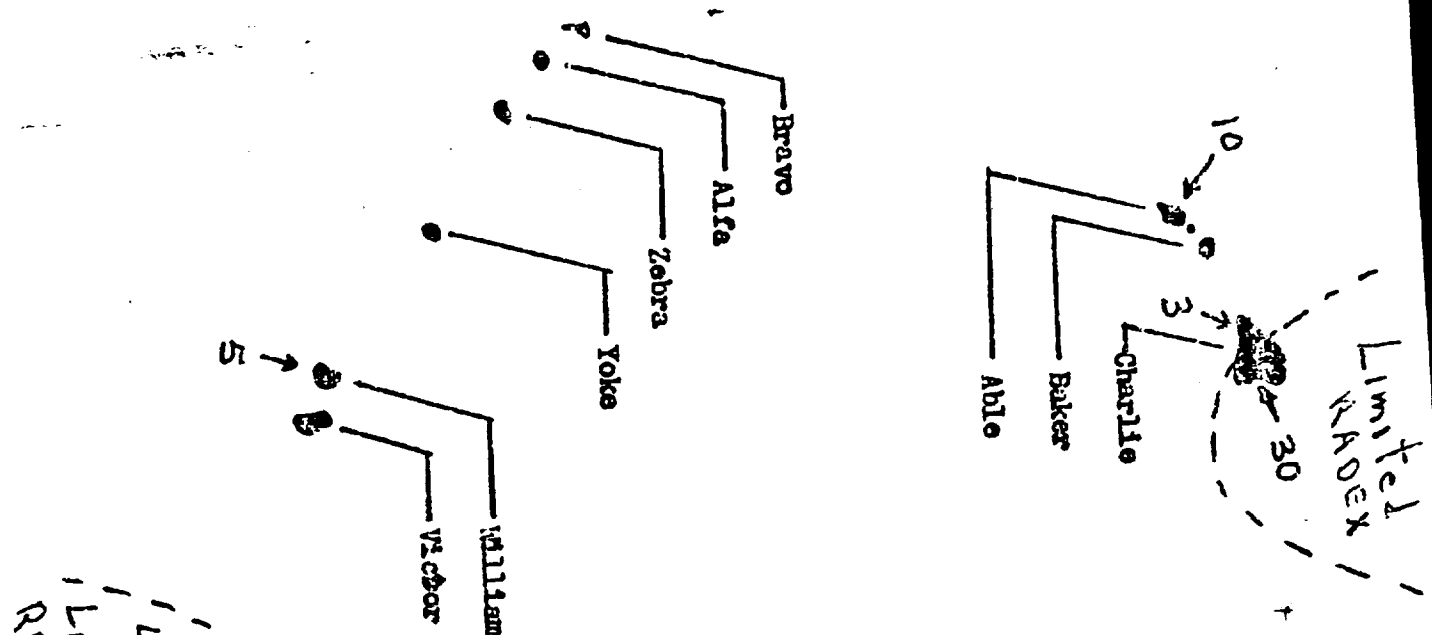
ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1400, 28 JUNE, 1958*

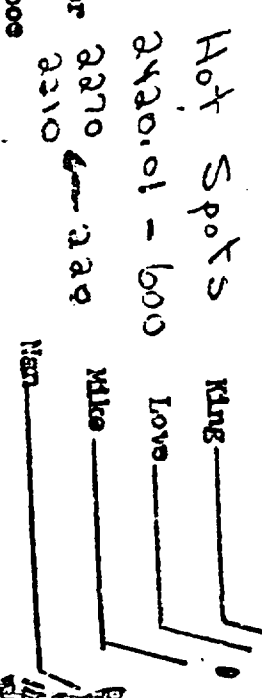
* MACK PHOTO TOWER READING
AS OF 1100, 28 JUNE, 1958

--- LIMITED RADEX
— FULL RADEX



FARE Readings

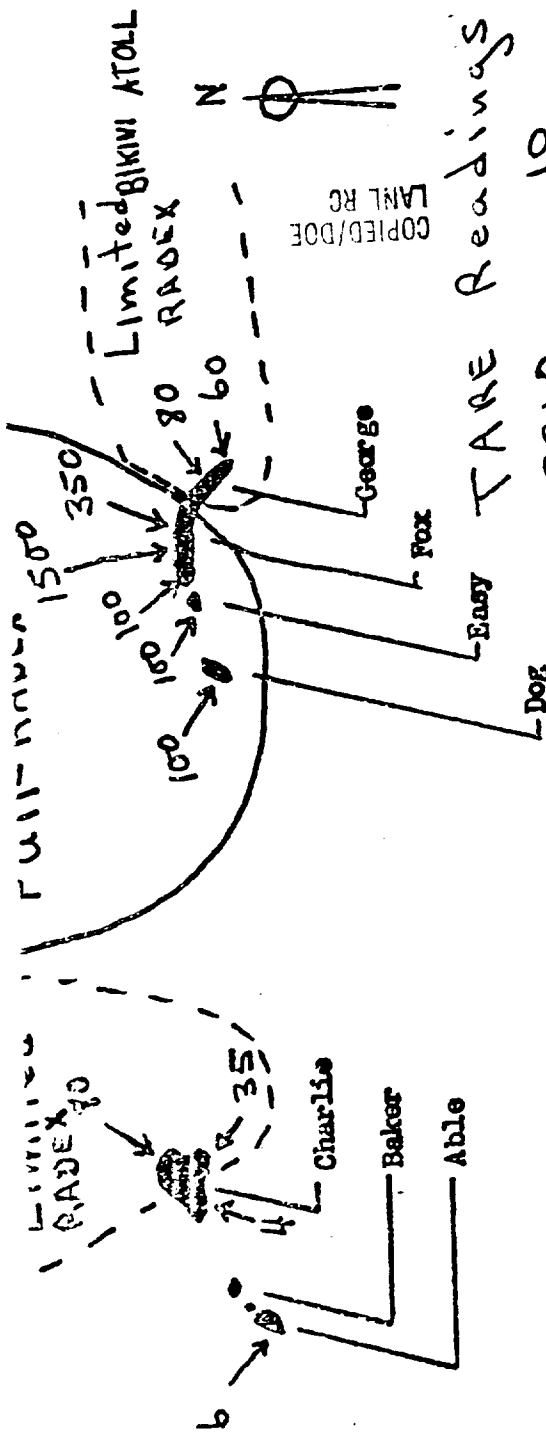
2210	10
2270	5
2230.01	10
630.02	2
2420.01	30
2230.02	8
2420.02	10



ALL Readings In MR/H
 At Ground Level As of
 0930 HRS 27 June 58

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 LANL RC

11

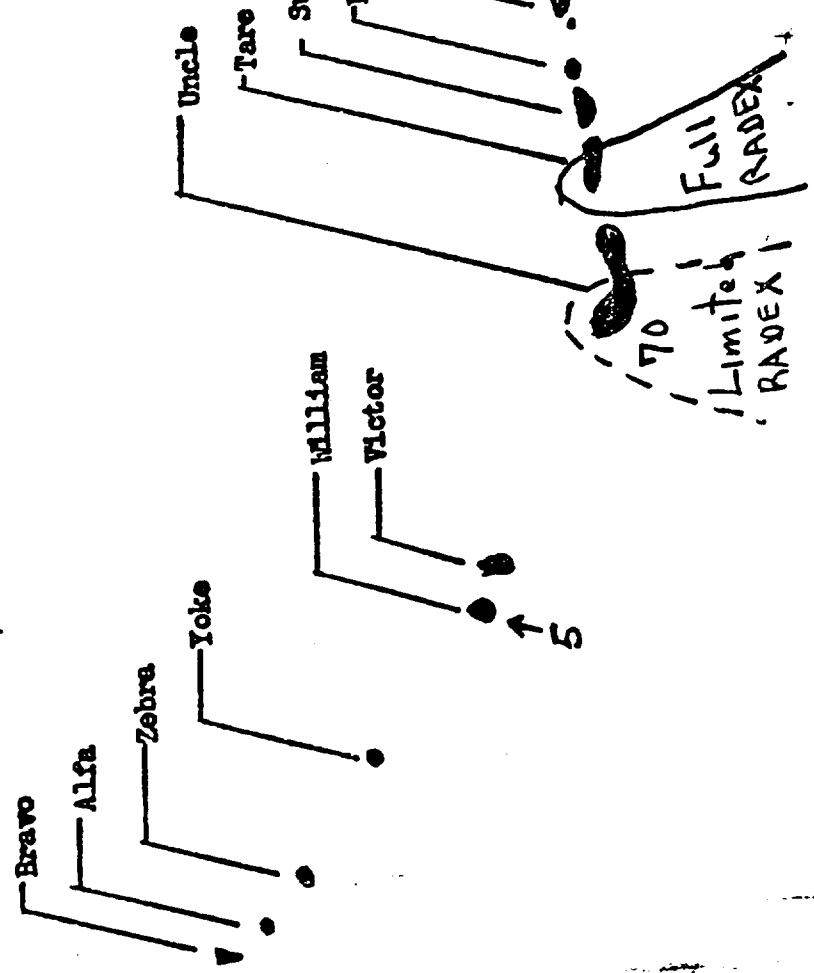


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LAMP RC

TARE Readings

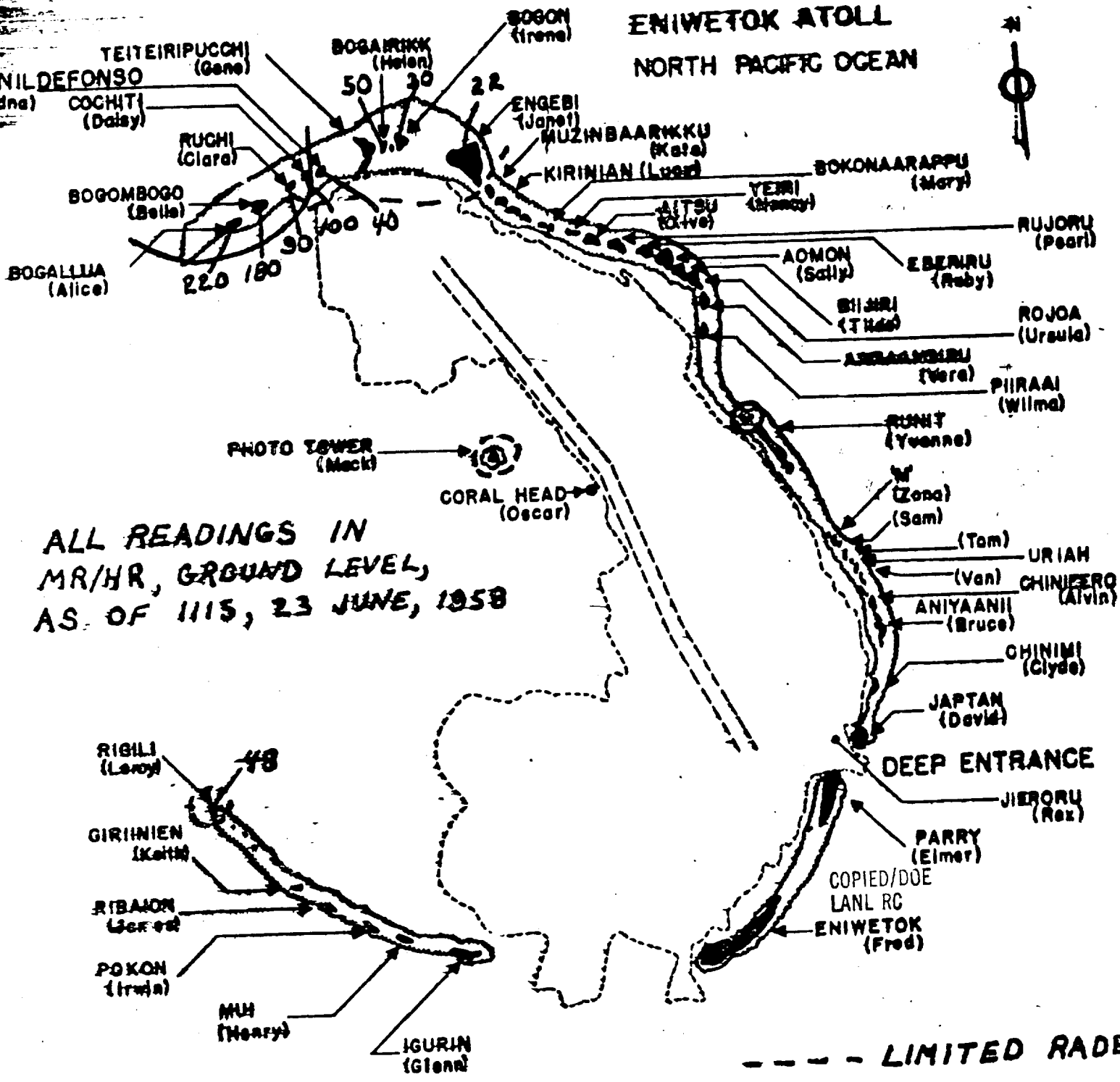
How	10
Item	5
Jig	10
King	10
Love	2
Mike	30
Nan	15

2210
2270
63001
2230.01
2230.02
630.02
2420.01
2420.02



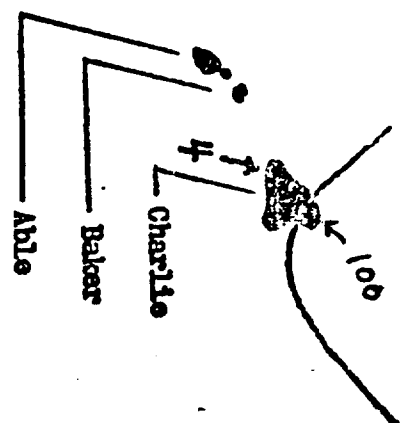
All Readings In MA
At Ground Level As
0930 HRS 23 JUNE

ENIWETOK ATOLL
NORTH PACIFIC OCEAN

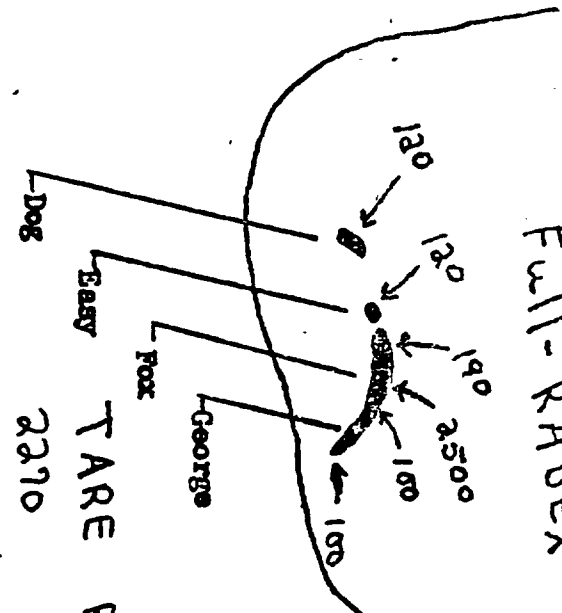


--- LIMITED RADEX
— FULL RADEX

Full - RADEX

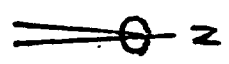


Full - RADEX



BIRNIA ATOLL

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LANL RC



TARE Readings

2270
2230.01
2230.02
2420.01
2420.02
2260
2210

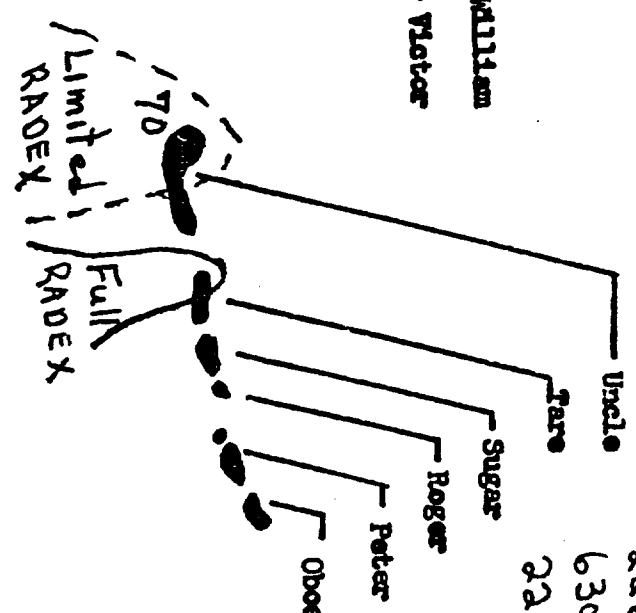
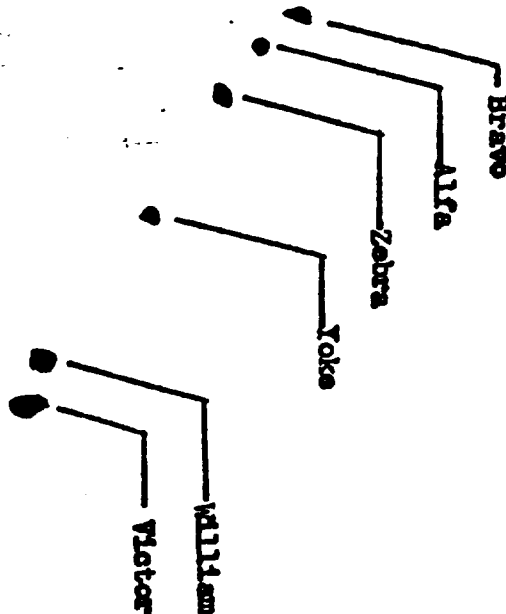
5
10
10
30
15
10
4
10

Hot Spot At Love

2420.01

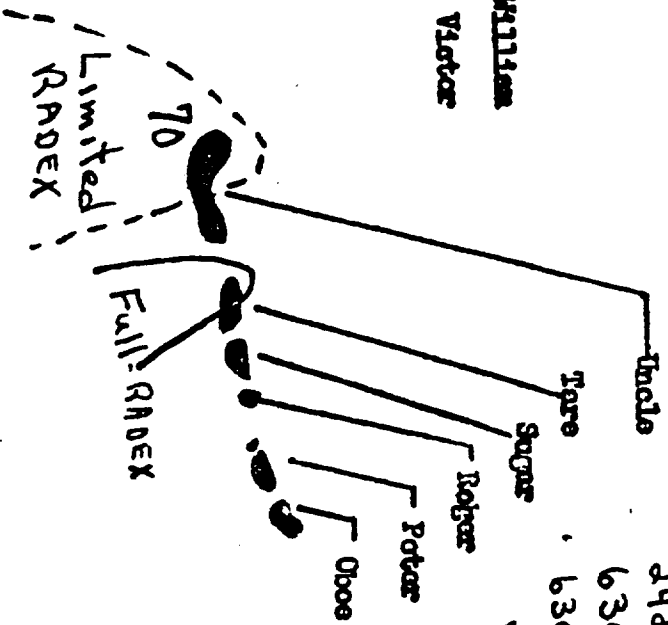
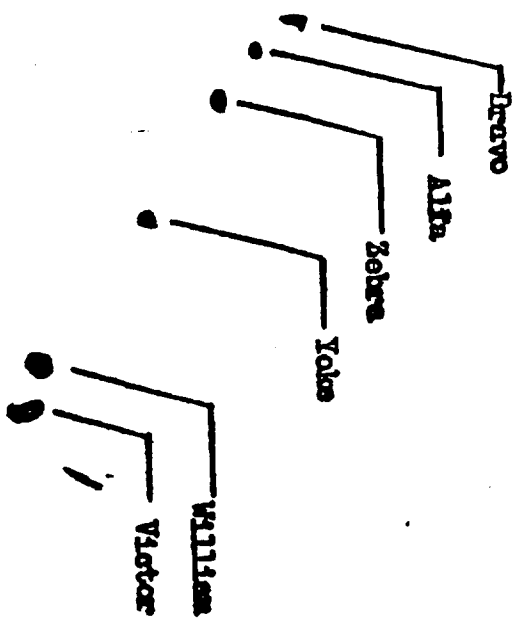
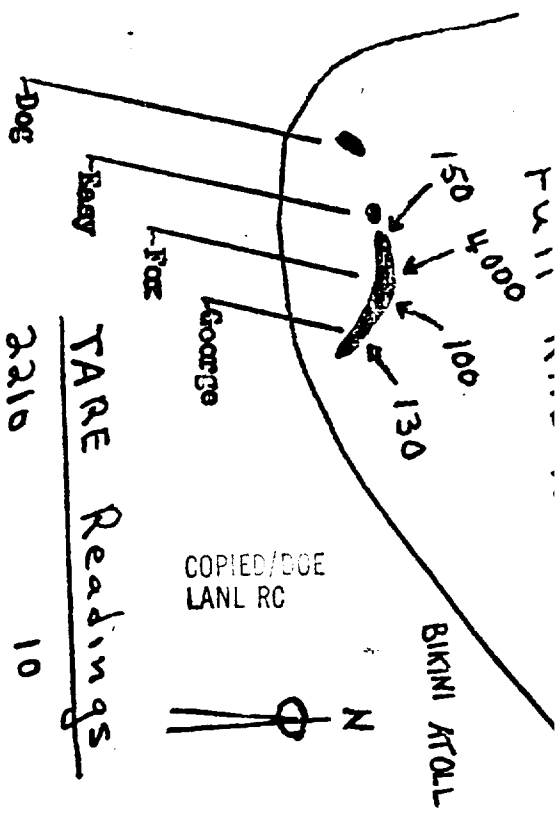
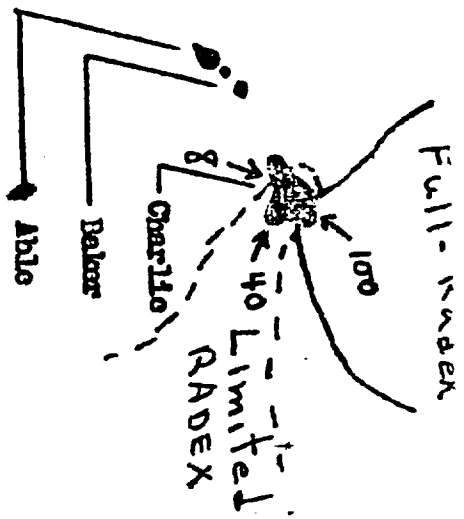
1000 MA/HR

Mean



ALL Readings In MA/HR
At Ground Level As of
0815 HRS 21 June 58

4:0



TARE Readings

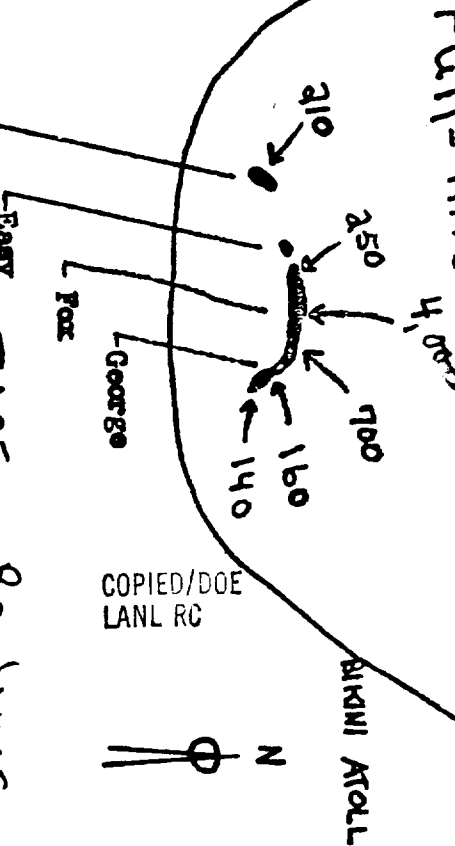
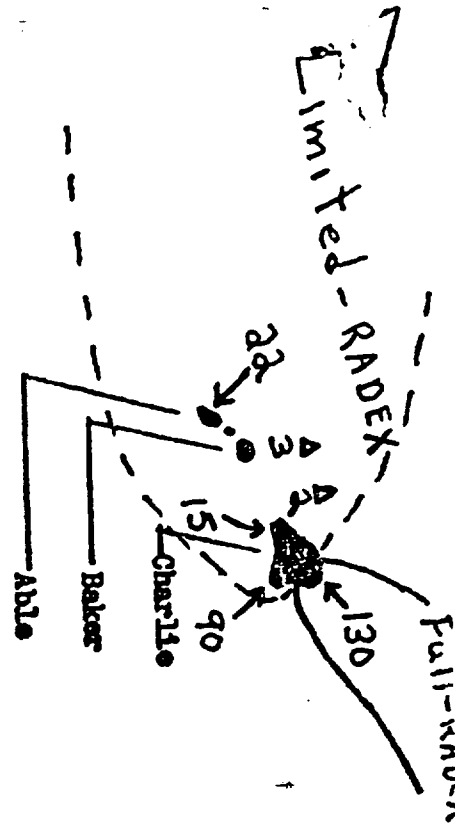
2210	10	How	Item
2270	5		
2230.01	10		
2230.02	10		
2420.01	30		
2420.02	15		
630.01	10		
630.02	4		

Hot Spot At

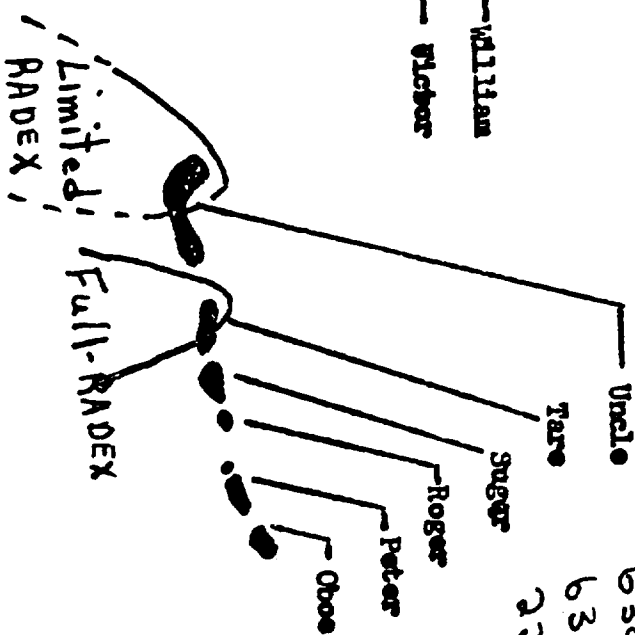
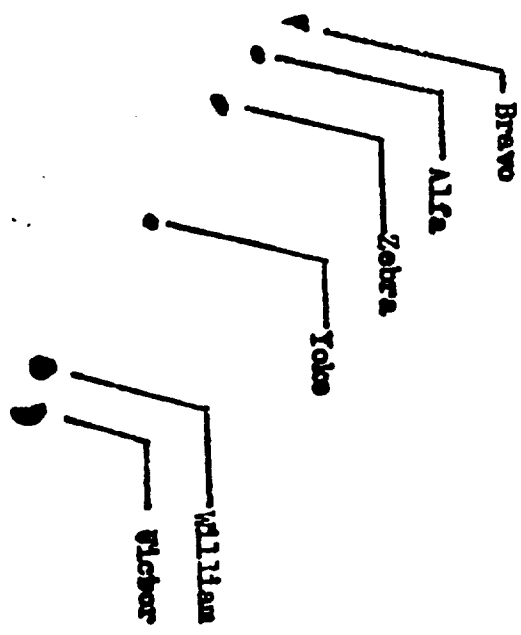
2420.01 1000 MR/HR

ALL Readings In MR/HR
At Ground Level As of

1815 HRS 20 June 58



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TARE Readings

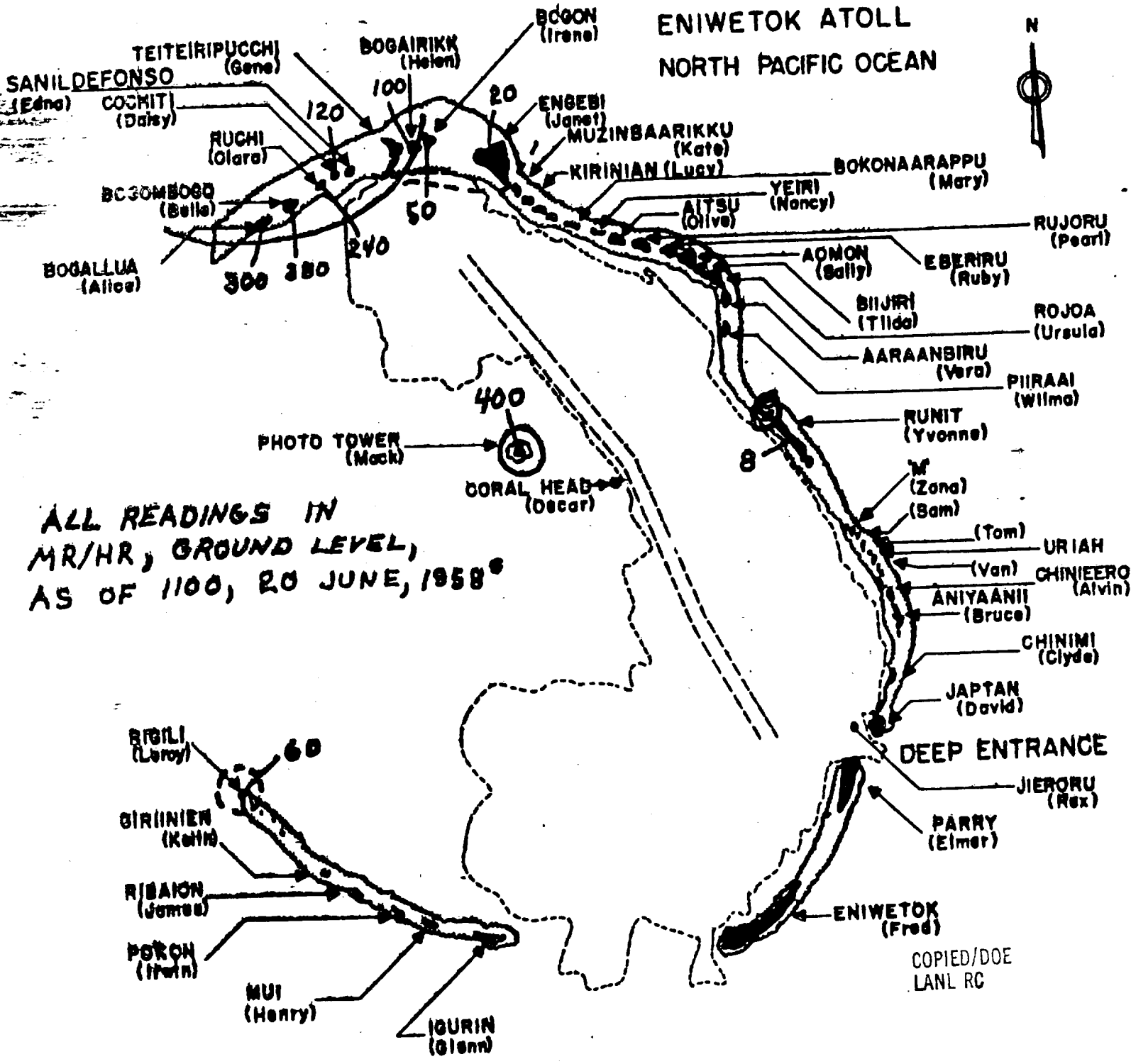
2270	5	How
2230.01	15	Team
2230.02	15	
2420.01	35	
2420.02	15	
630.01	10	
630.02	4	
2210	10	King

Hot Spot At Love

1500 Millman

ALL Readings In MR/H
As of 19 June 58
1815 HRS.

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1100, 20 JUNE, 1958*

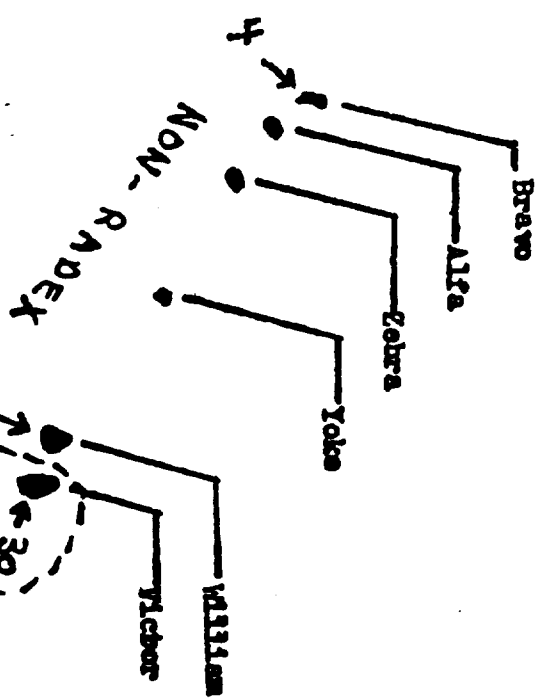
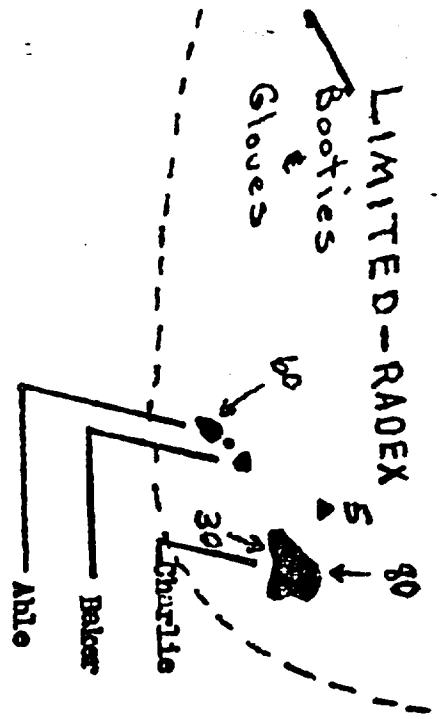
* MACK PHOTO TOWER READING
AS OF 1300, 19 JUNE, 1958.

--- LIMITED RADEX
— FULL RADEX

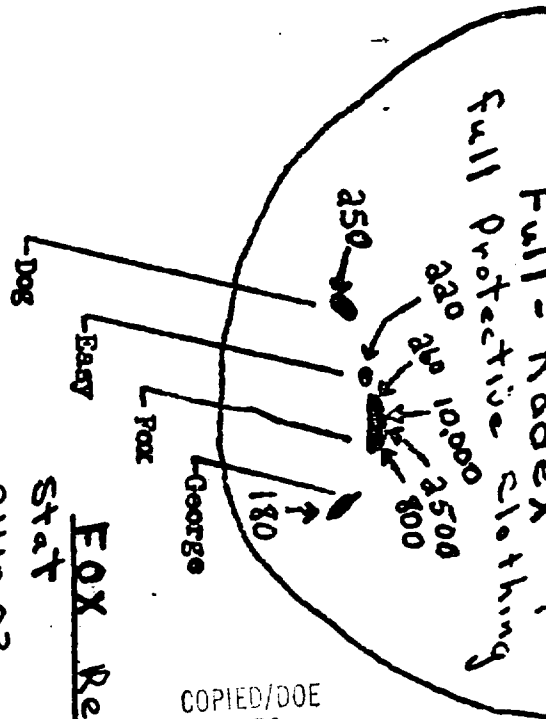
COPIED/DOE
LANL RC

4/1

LIMITED-RADEX



Full - Radex Full Protective Clothing



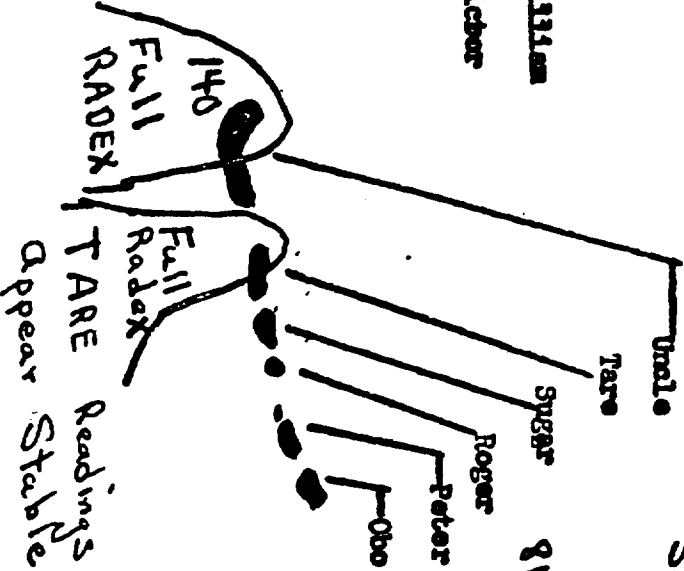
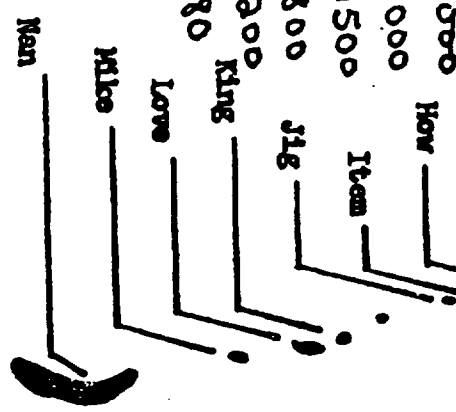
BIKINI ATOLL

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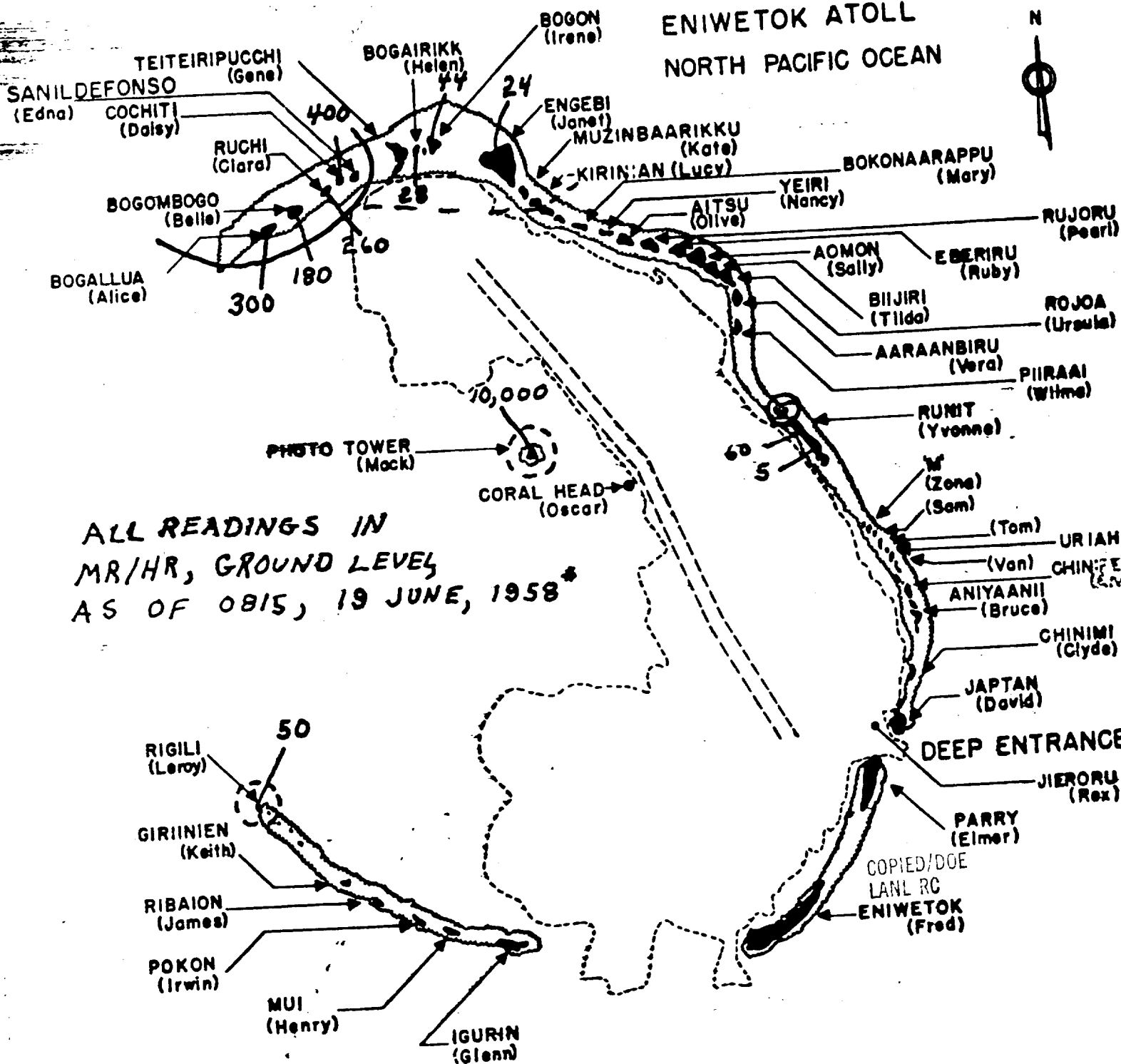
FOX Readings MR/MR.

Stat	MR/MR.
2410.03	240
630.05	260
630.04	800
2410.02	3000
2410.01	8000
Sack # 3	ru-32500
" # 5	1745800
" # 7	300
910.03	180



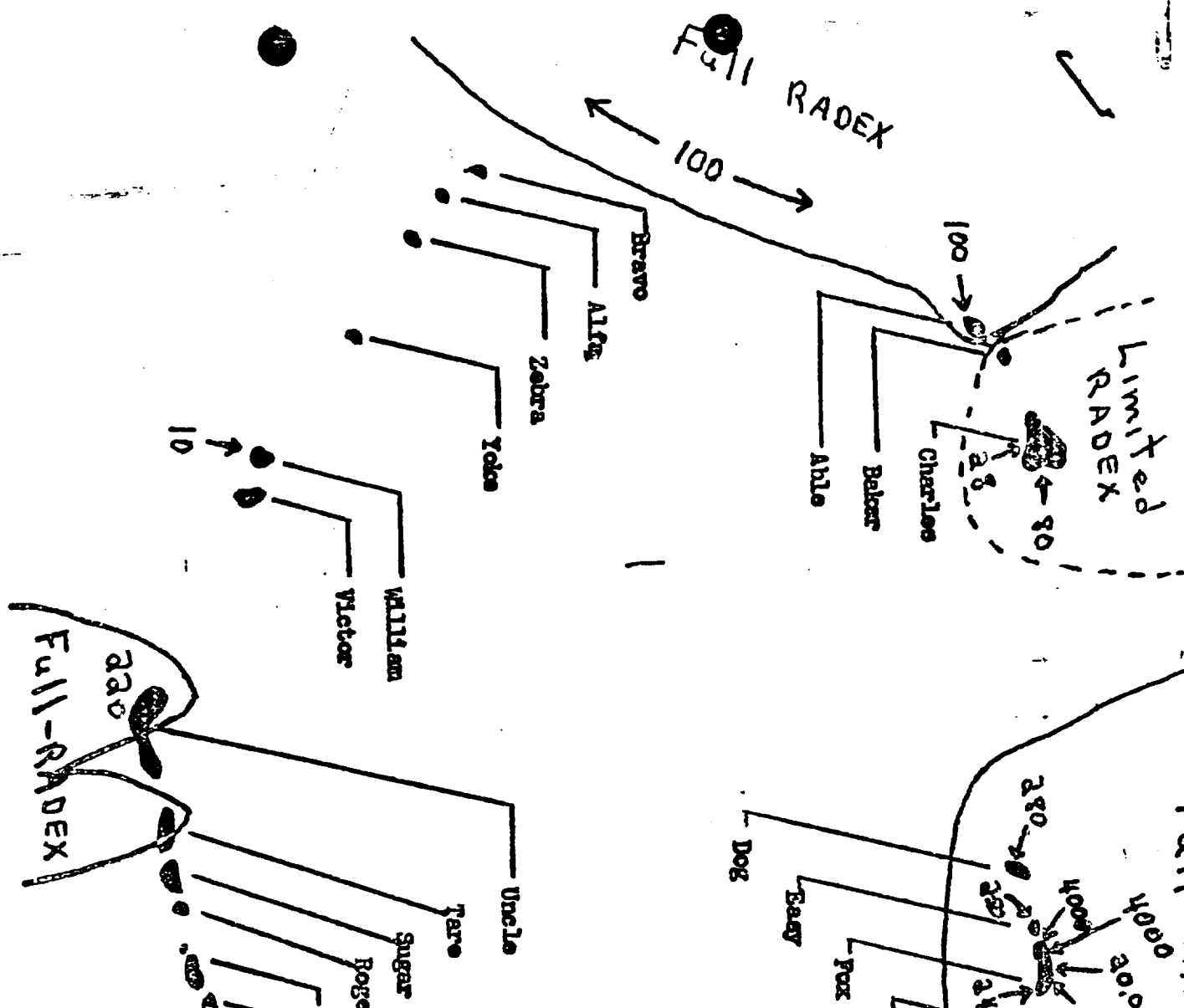
ALL Readings In MR/MR At Ground Level As of TARE Readings 0815 HRS. 18 June 58

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0815, 19 JUNE, 1958*

* Mack Photo Tower As
OF 1700, 18 June, 1958.



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4

TARE Readings	
2216	10
2270	20
2230.01	10
2230.02	20
630.01	20
630.02	4
2420.01	40
2420.02	15

Hot Spit

At 2420.01 Miles

1000 M/HR

King

Low

How

Item

Yig

200

2000

630.04

630.03

1810

110

M-Boat

240

240

240

240

4000

4000

20,000

40,000

170

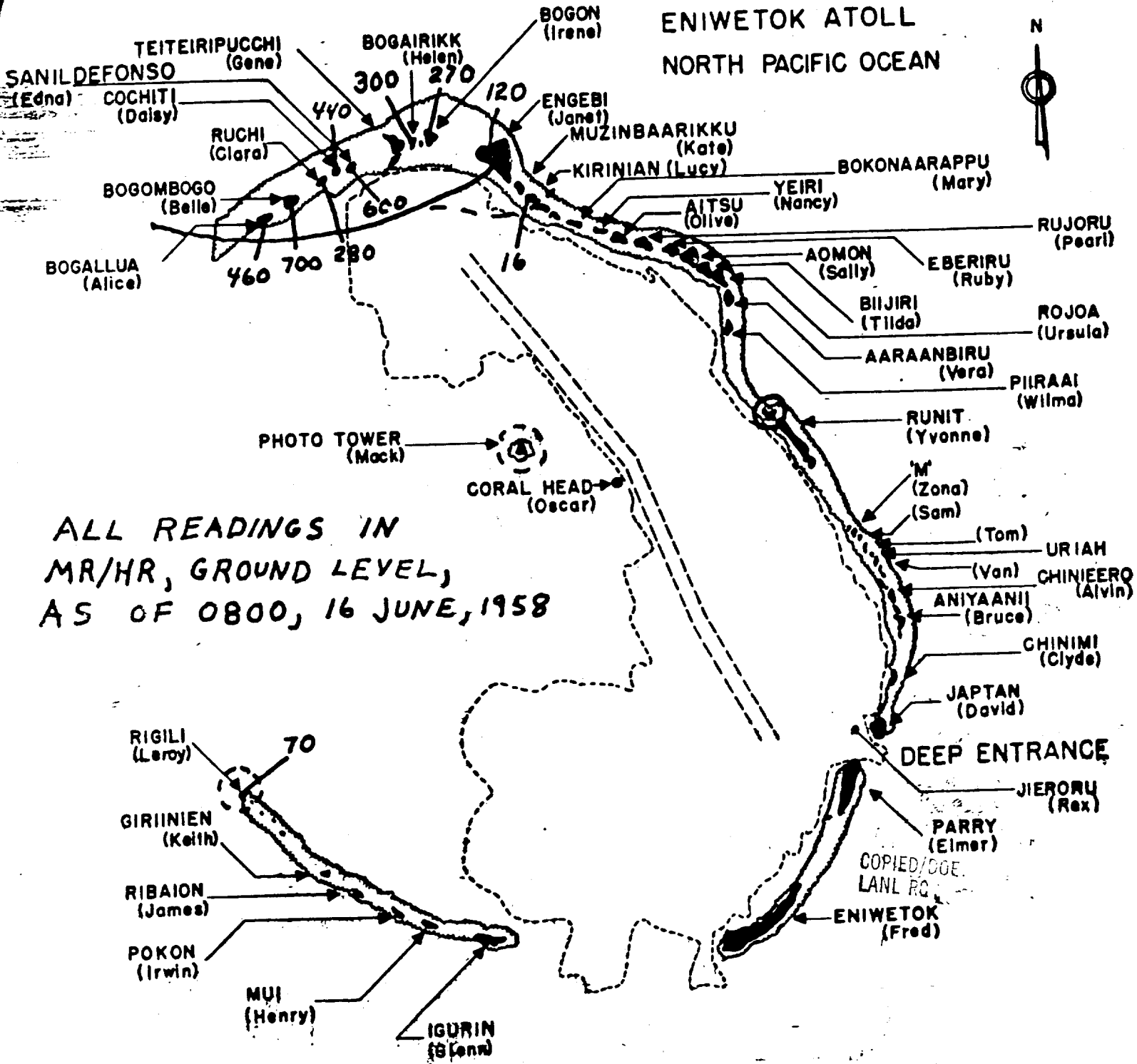
BIKINI ATOLL

FOX & GEORGE

1615 HRS. 17 June 51

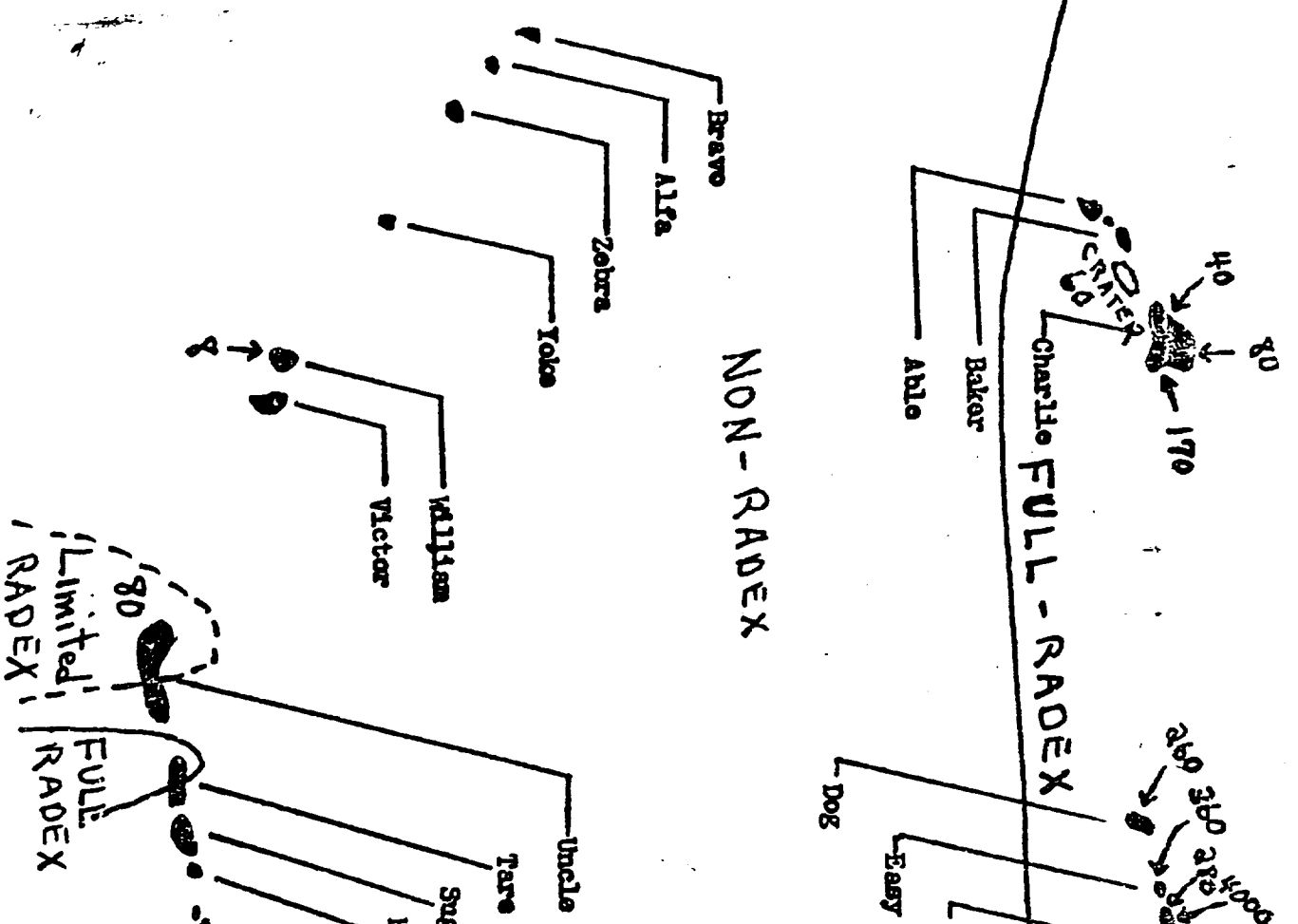
ALL Readings, In MR/HI
At Ground Level As of

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0800, 16 JUNE, 1958

--- LIMITED RADEX
— FULL RADEX



NON-RADEX

CHARLES FULL-RADEX

BIKINI TROLL

COPIED/DOE
LANL RC

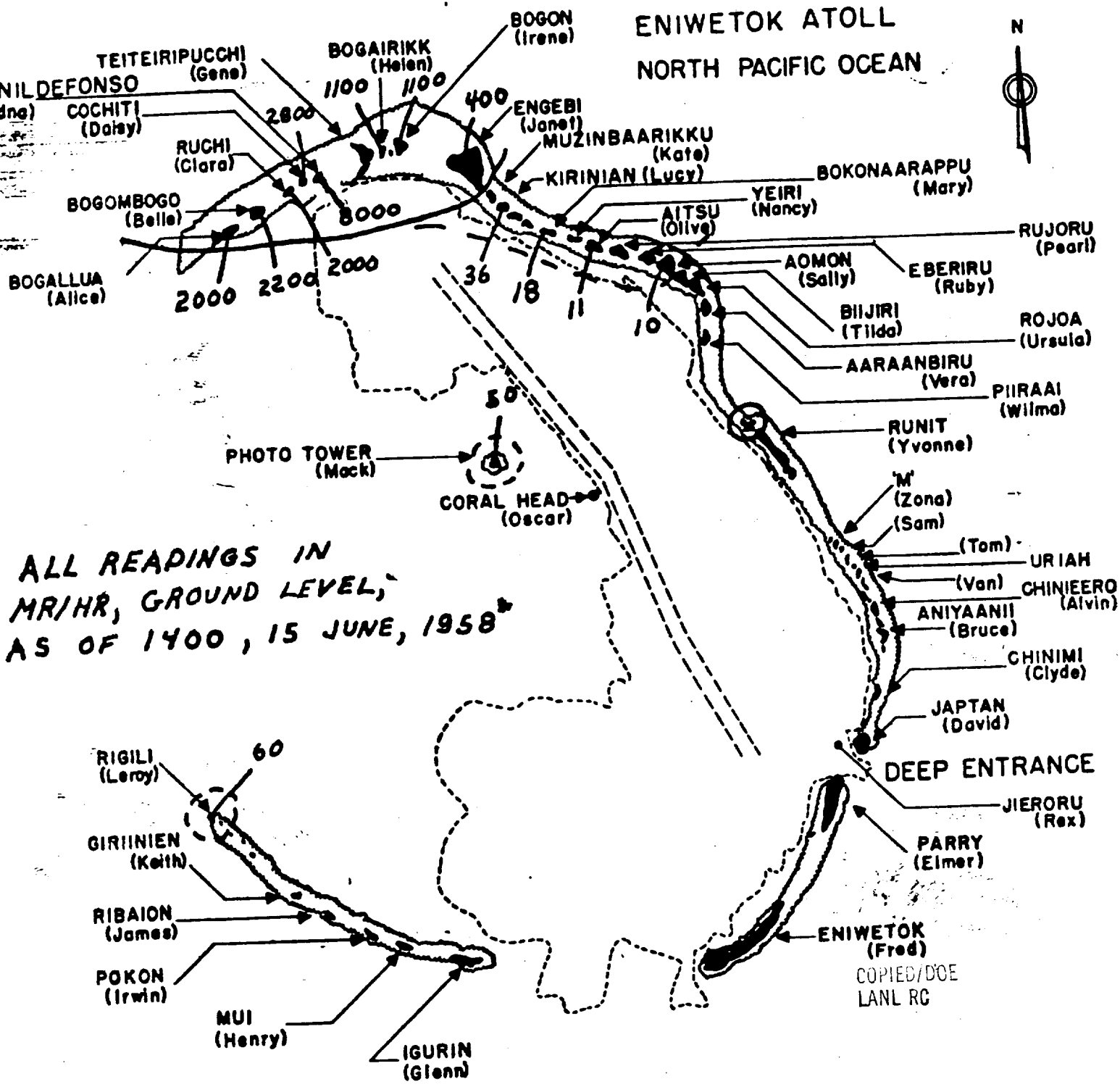
TARE Readings

2210	10	How
2270	30	Item
2230.01	20	
2230.02	20	
630.01	14	
630.02	14	
2420.01	40	King
2420.02	15	Love
		Mike
		Nan

Hot Spot At
2420.01
1000 MR/HR

ALL Readings In MR/HR
At Ground Level As of
1615 HRS. 16 June 58

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
M/HR, GROUND LEVEL,
AS OF 1400, 15 JUNE, 1958*

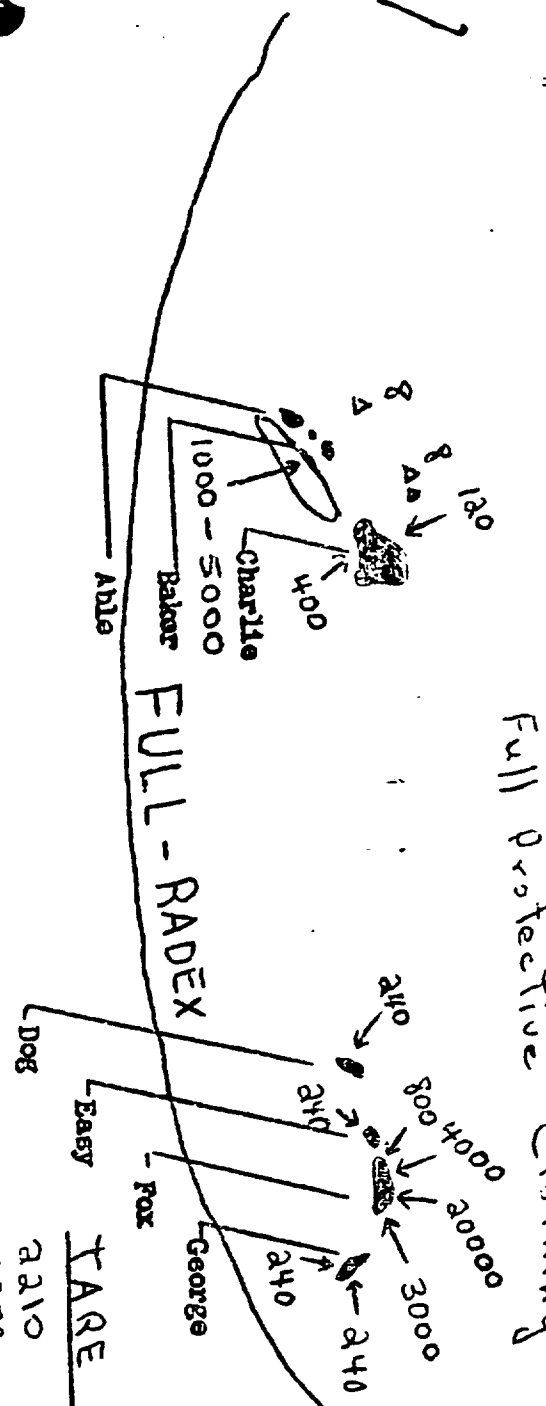
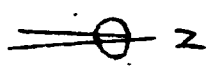
* Reading for Mack Photo
Tower as of 1000, 15 June.

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LANL RC

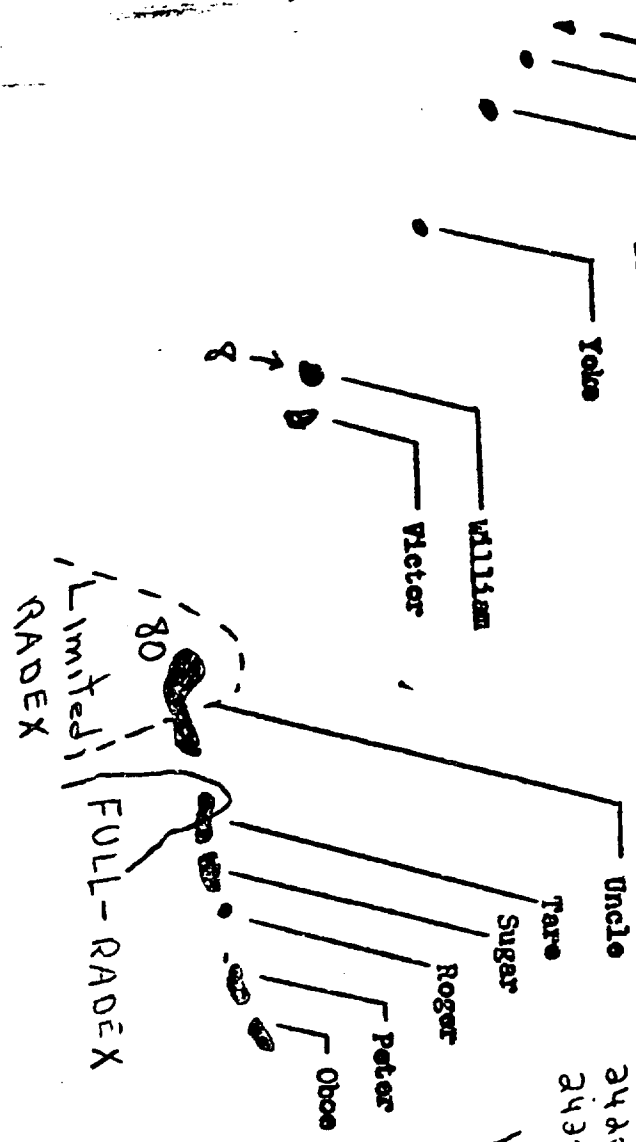
Full protective Clothing

COPIED/DOE
LANL RC

SHIKINI ATALL

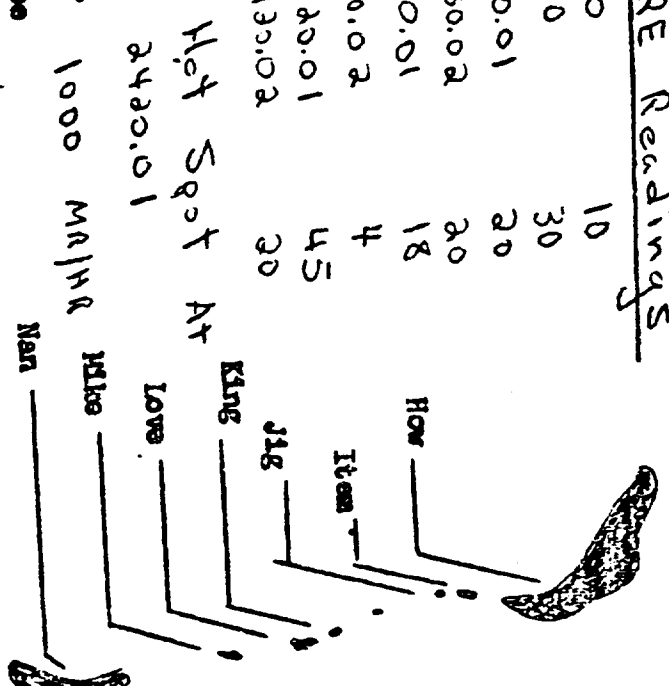


NON - RADEX



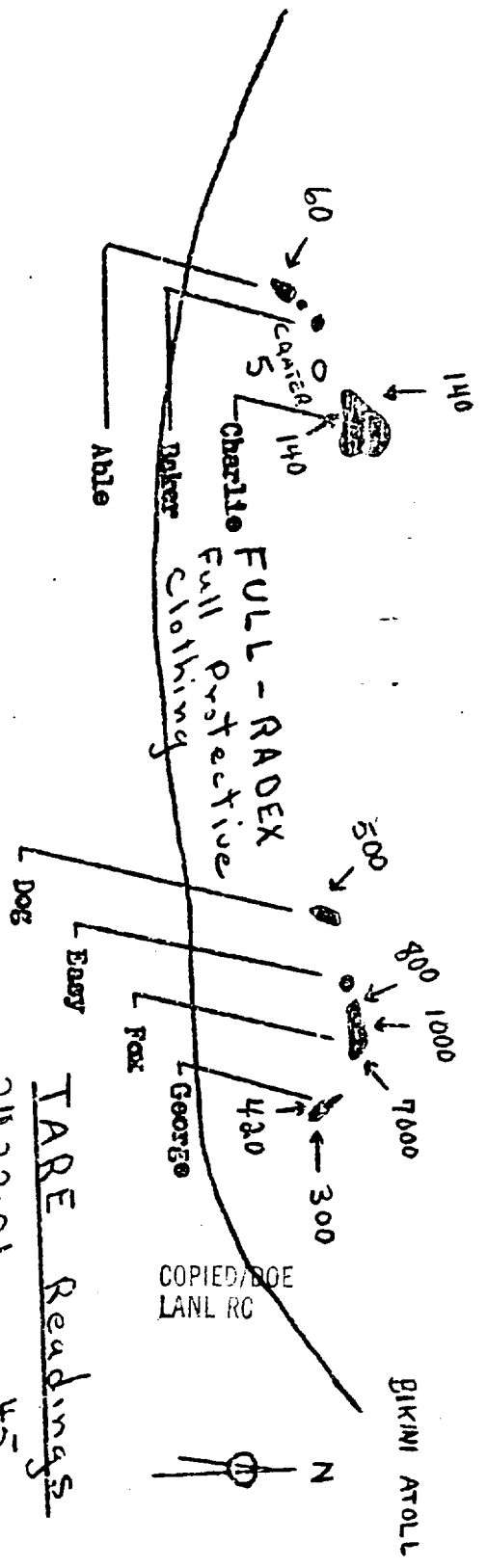
TARE Readings

2210	10
2270	30
2330.01	20
2330.02	20
630.01	18
630.02	4
2420.01	45
2430.02	30

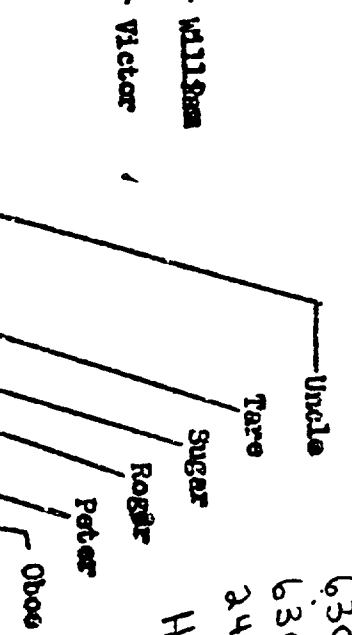
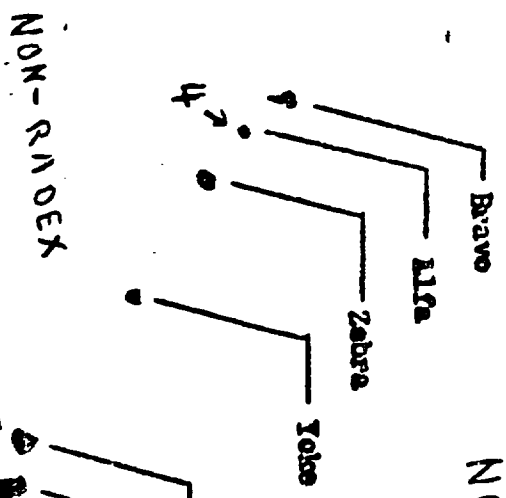


ALL Readings In MRJ
At Ground Level As
1300 HRS. 15 June 5

158



NON-RADEX



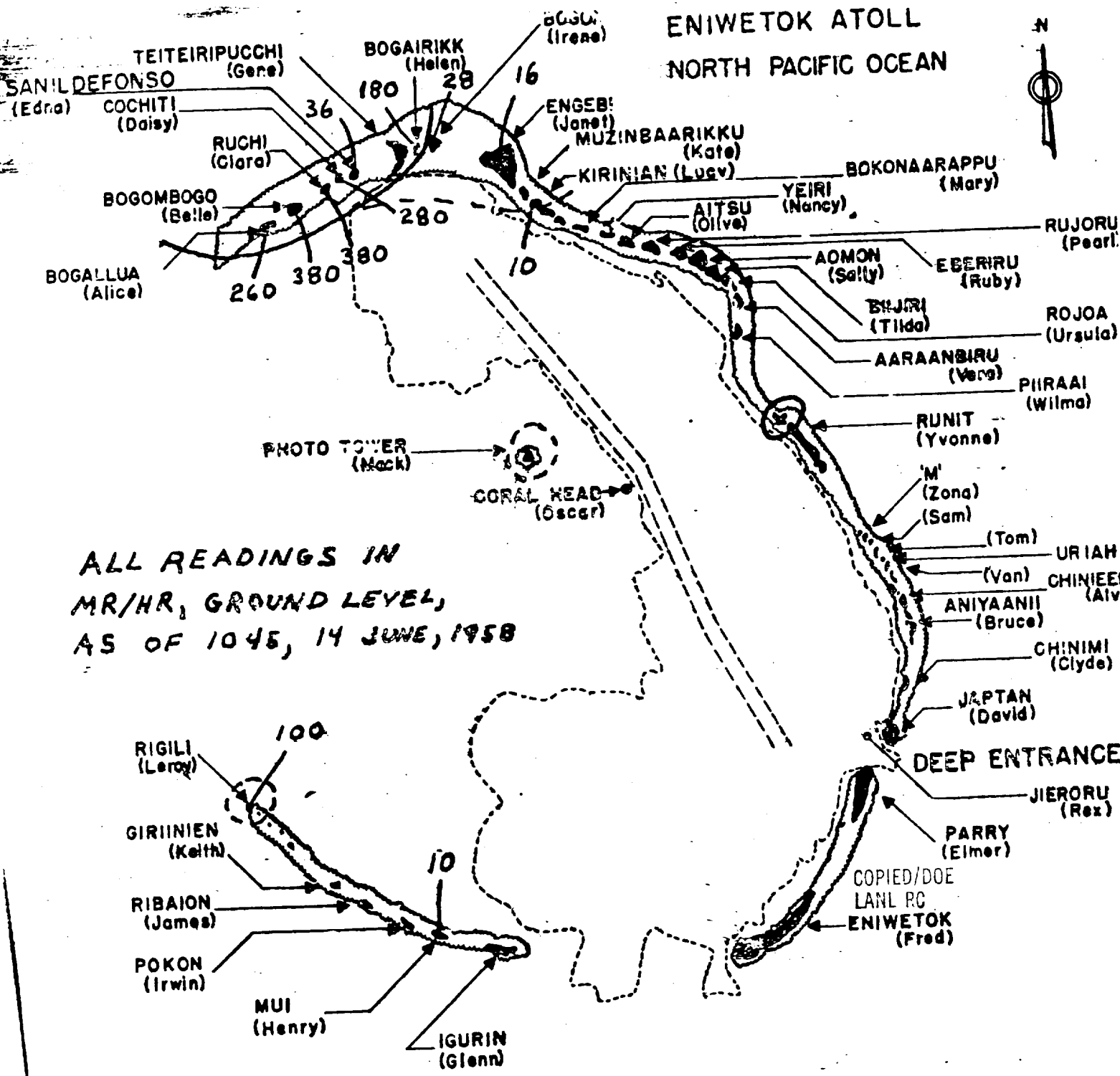
TARE Readings

2220.01	45	How
2230.02	20	Item
2230.01	20	
2270	30	
2210	16	
630.02	4	
630.01	18	
2420.02	20	
Hot Spot A4		
2420.02		
1000 MA/HR		
Mike		
Love		
King		
Man		

ALL Readings In MR
At Ground Level AS

1515 HRS. 14 June

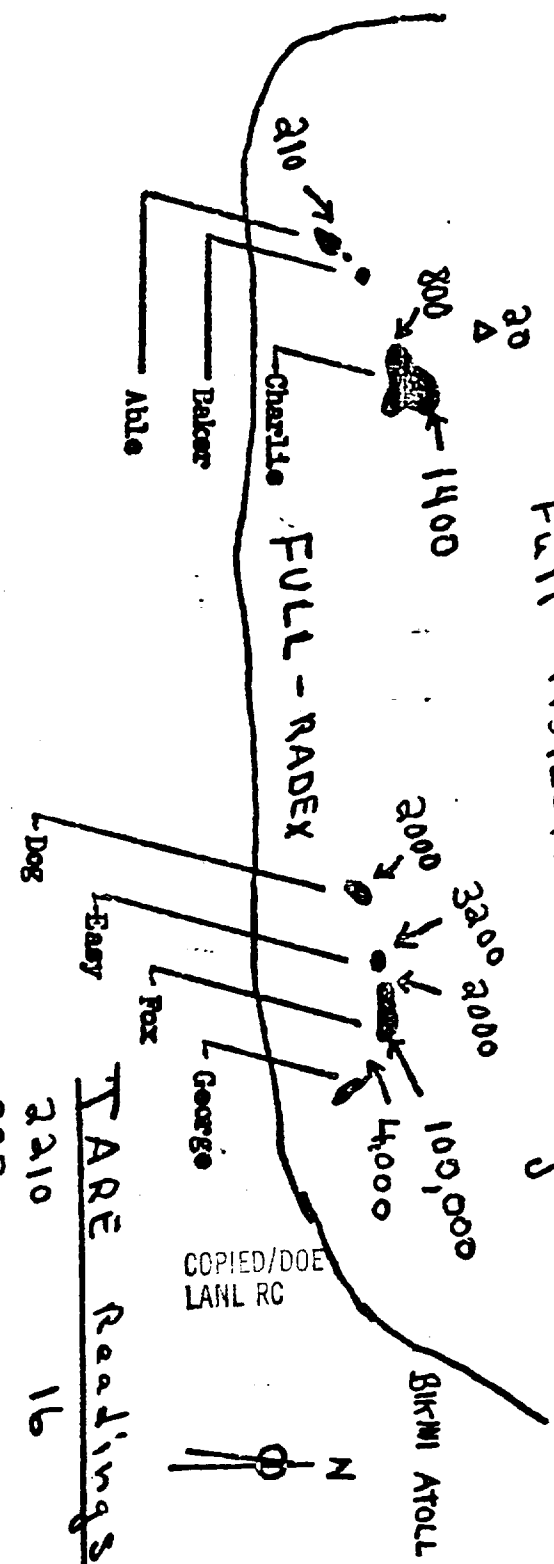
ENIWETOK ATOLL
NORTH PACIFIC OCEAN



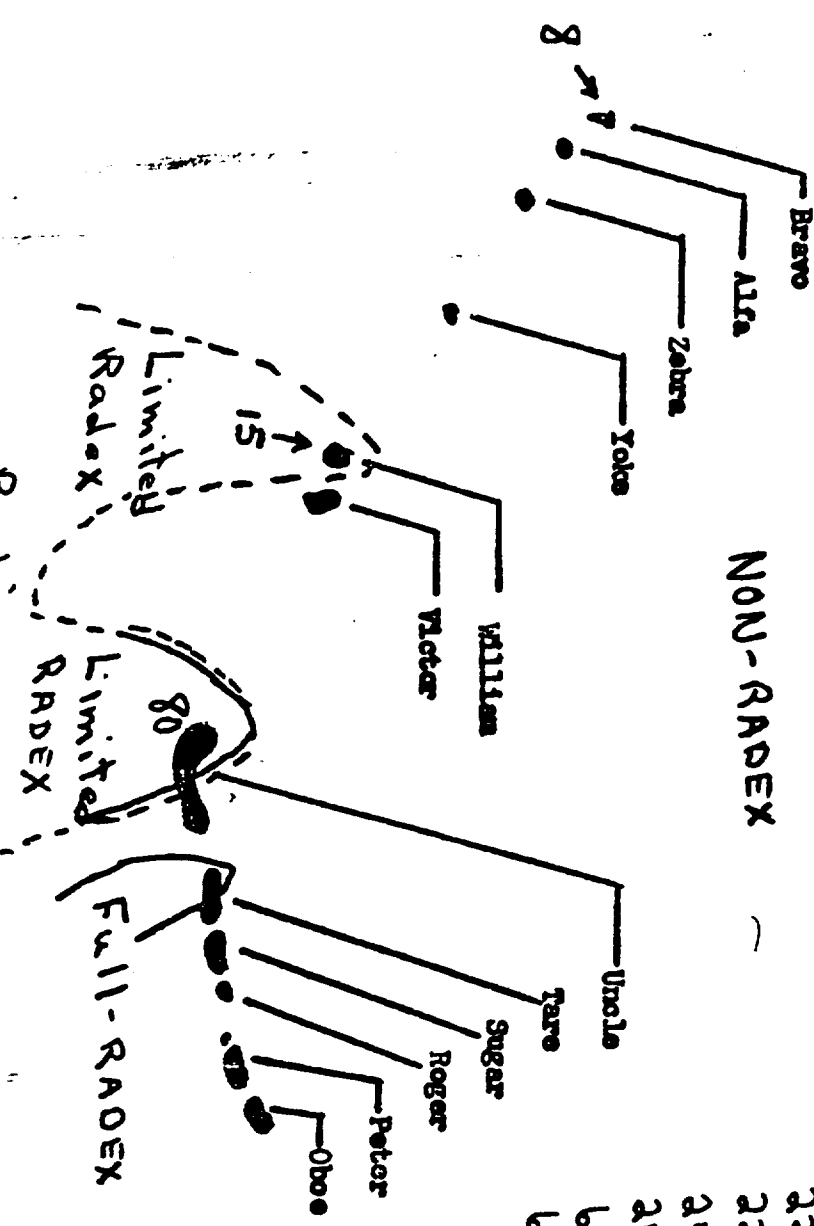
ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1045, 14 JUNE, 1958

--- LIMITED RAD
— FULL RADEX

Full Protective Clothing



NON-RADEX



Boaties & Gloves

TARE Readings

2210	16	King
2270	30	Love
2230.01	25	Item
2230.02	20	How
2420.01	50	
2420.02	20	
630.01	22	
630.02	4	

Hot Spot At 1000 MA/HR

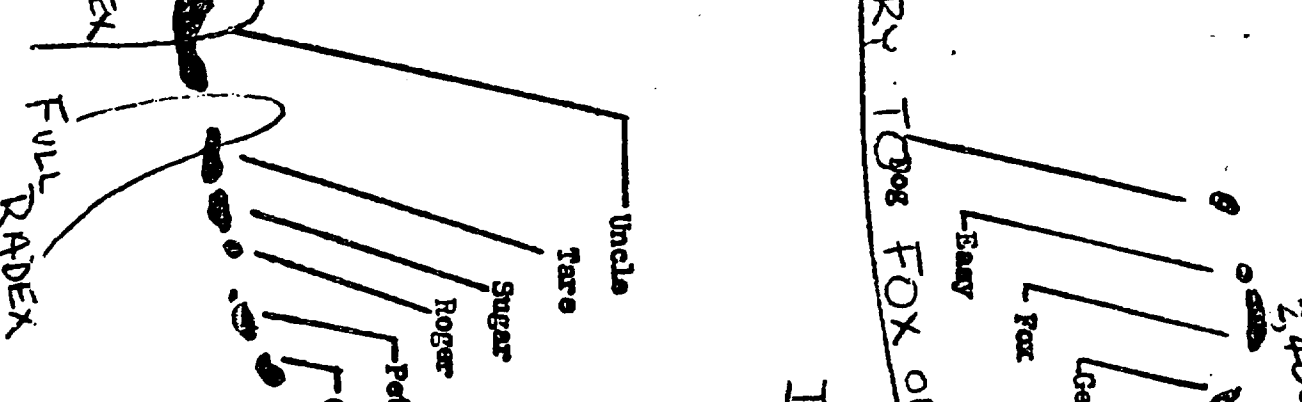
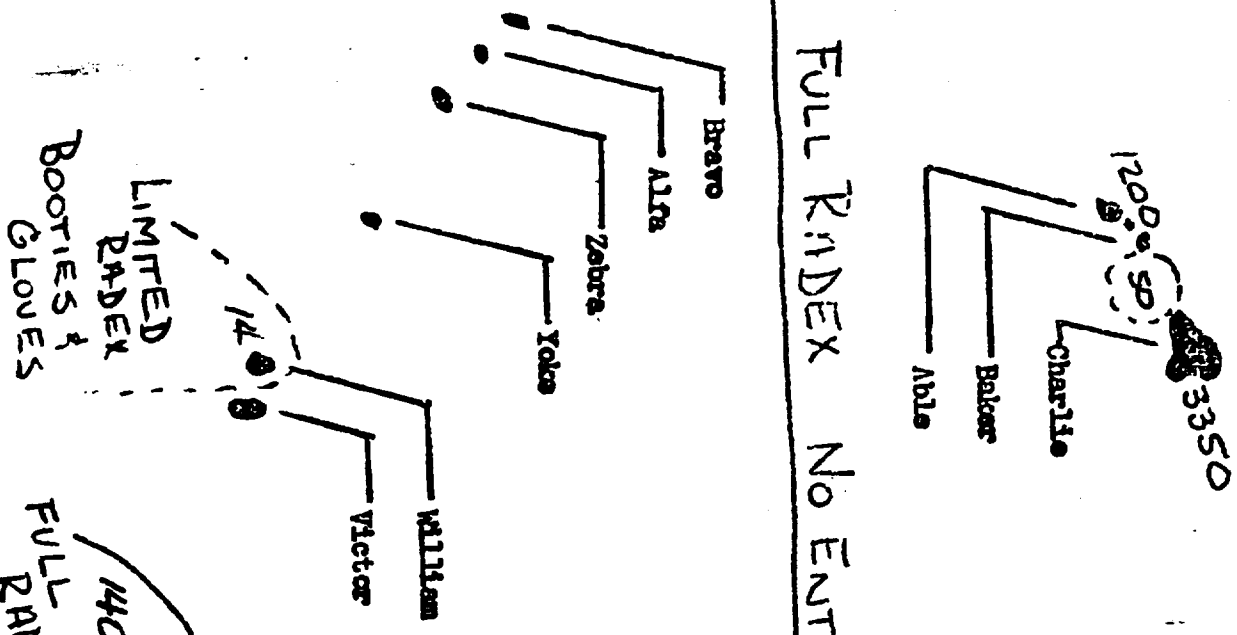
ALL Readings In MA/HR At Ground Level AS OF

1615 HRS. 12 June 58

2,400,000 at 0735
 BIKINI ATOLL

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 LANL RC

FULL RINDEX NO ENTRY FOR FOX OR GEORGE



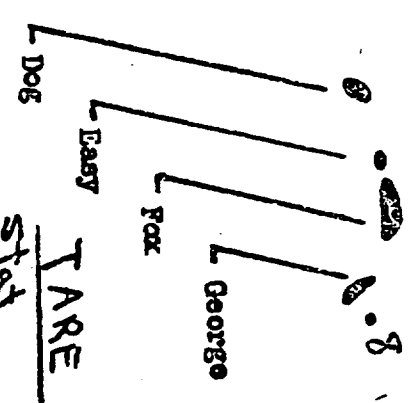
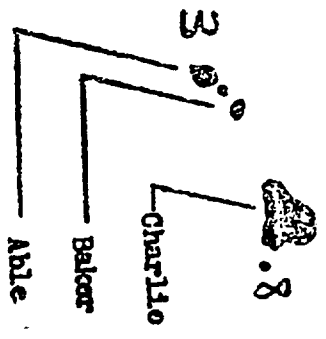
Full Protective Clothing

TARE	READINGS	MR/HR
STAT		
2210	20	How
2270	30	Item
630.02	4	
630.01	20	Jlg
2230.02	20	
2230.01	25	King
2420.02	20	Love
2420.01	50	Hllo
Fobos SW TIP	4000	Man
Peter NW TIP	450	

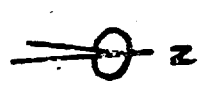
ALL READINGS IN MR/HR AT GROUND LEVEL AS OF 1645 HRS (EXCEPT AS NOTED)

11 JUNE 1958

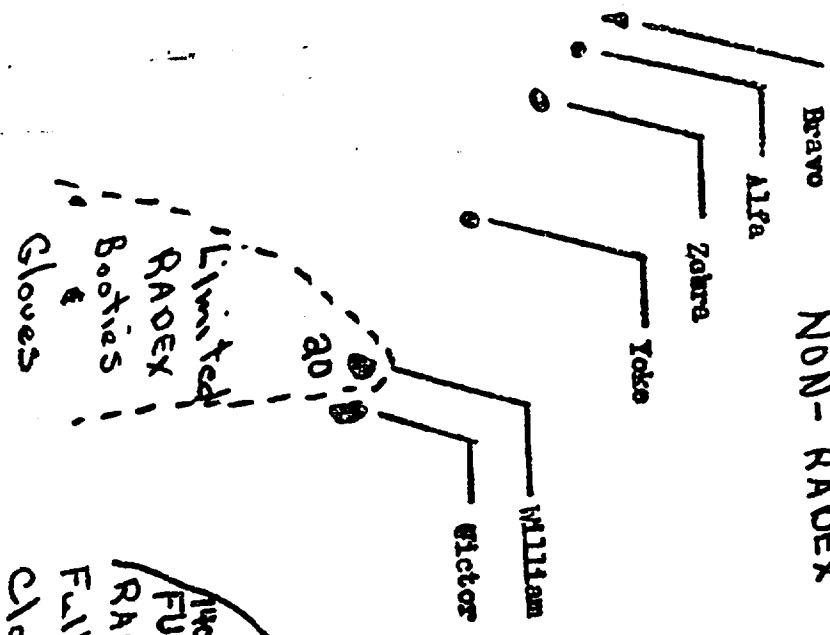
50



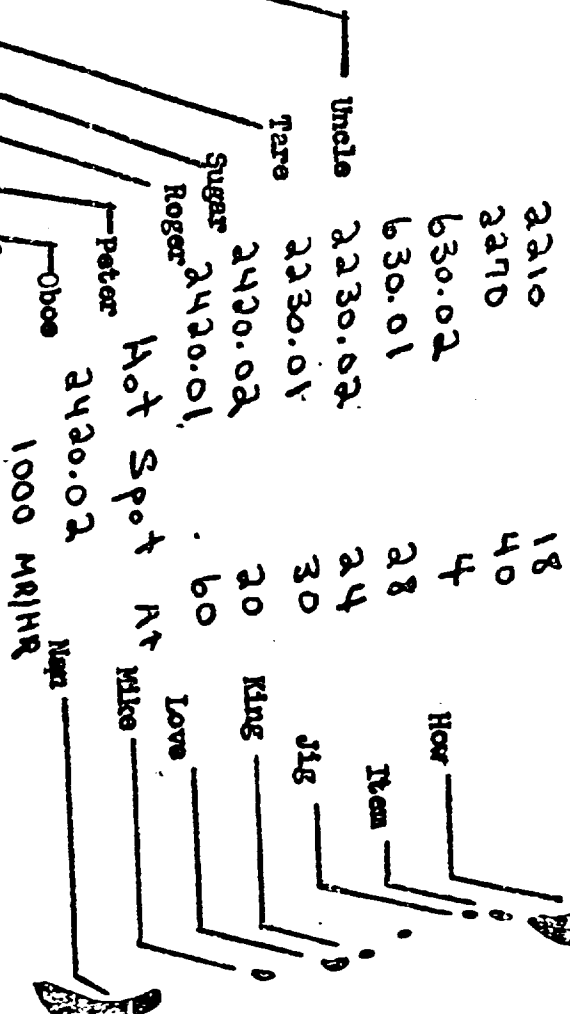
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NON-RADEX



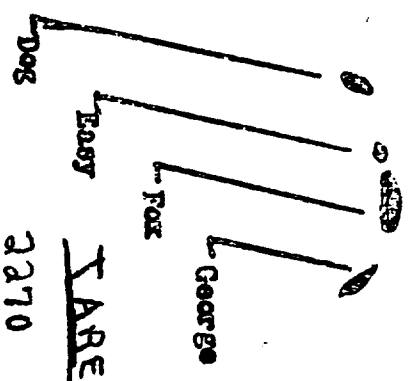
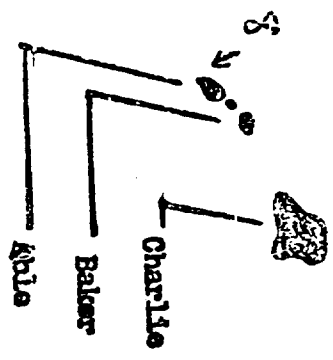
Stat	TARE	Readings	MR/HR
	2210	18	
	2270	40	
	630.02	4	
	630.01	28	
	2230.02	24	
	2230.01	30	
	2420.02	20	
	2420.01	60	



Full-RADEX
Full protective
clothing

ALL Readings In MR/HR
At Ground Level AS of
1530 HRS. 9 June 58

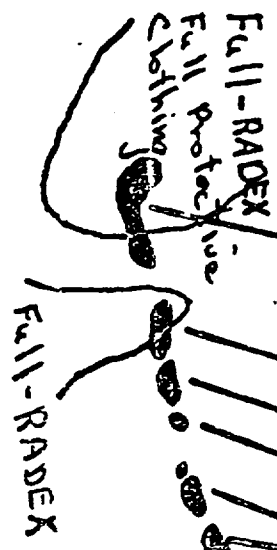
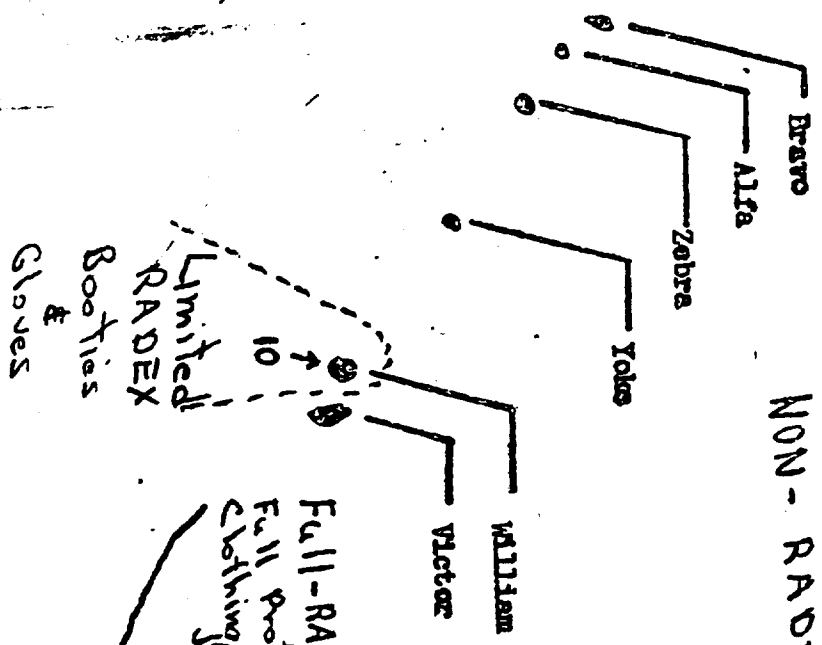
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TARE Readings

2270	36	How
2230.01	30	Itbm
2230.02	26	
2420.01	60	
2420.02	20	
630.01	24	
630.02	2	
2210	18	King
Roger Hot Spot	AT	Love
Peter	800-900	Mike
Obce		Wm

NON - RADEX



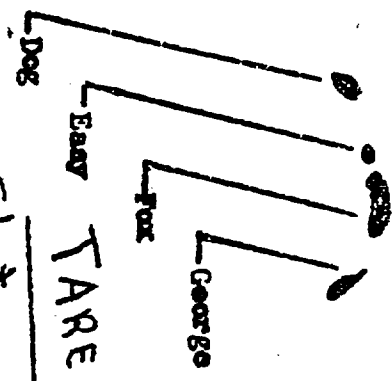
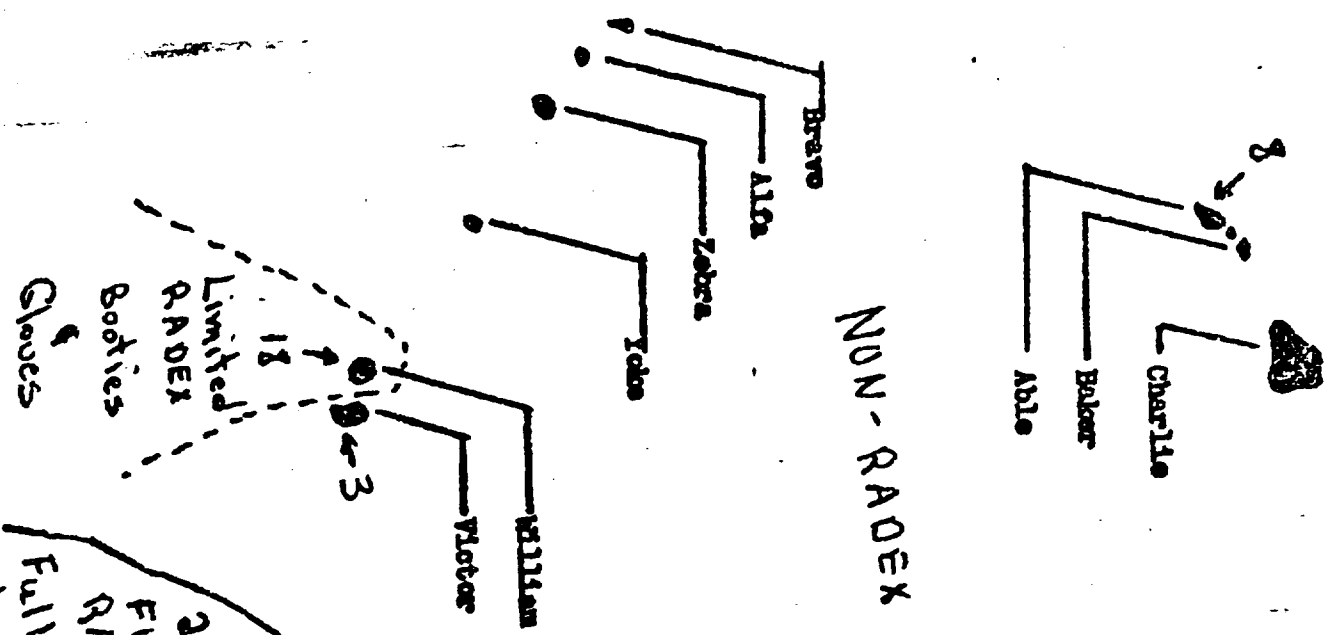
ALL Readings AT Ground Level In Major As of 1520 HRS. 7 June 58

EIKINI KOLL

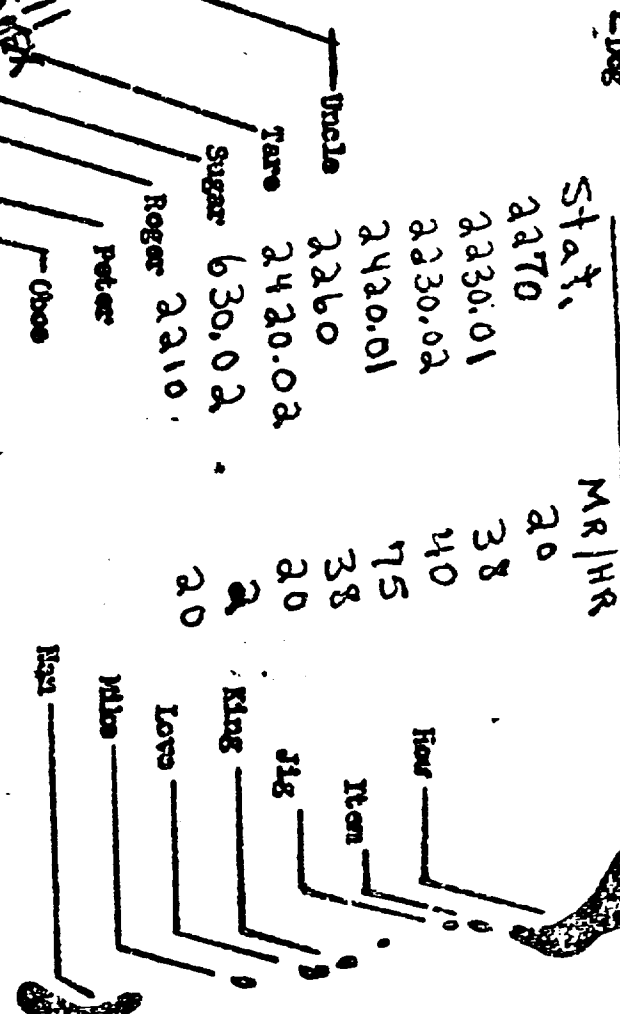
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LANL RC



NON-RADEX



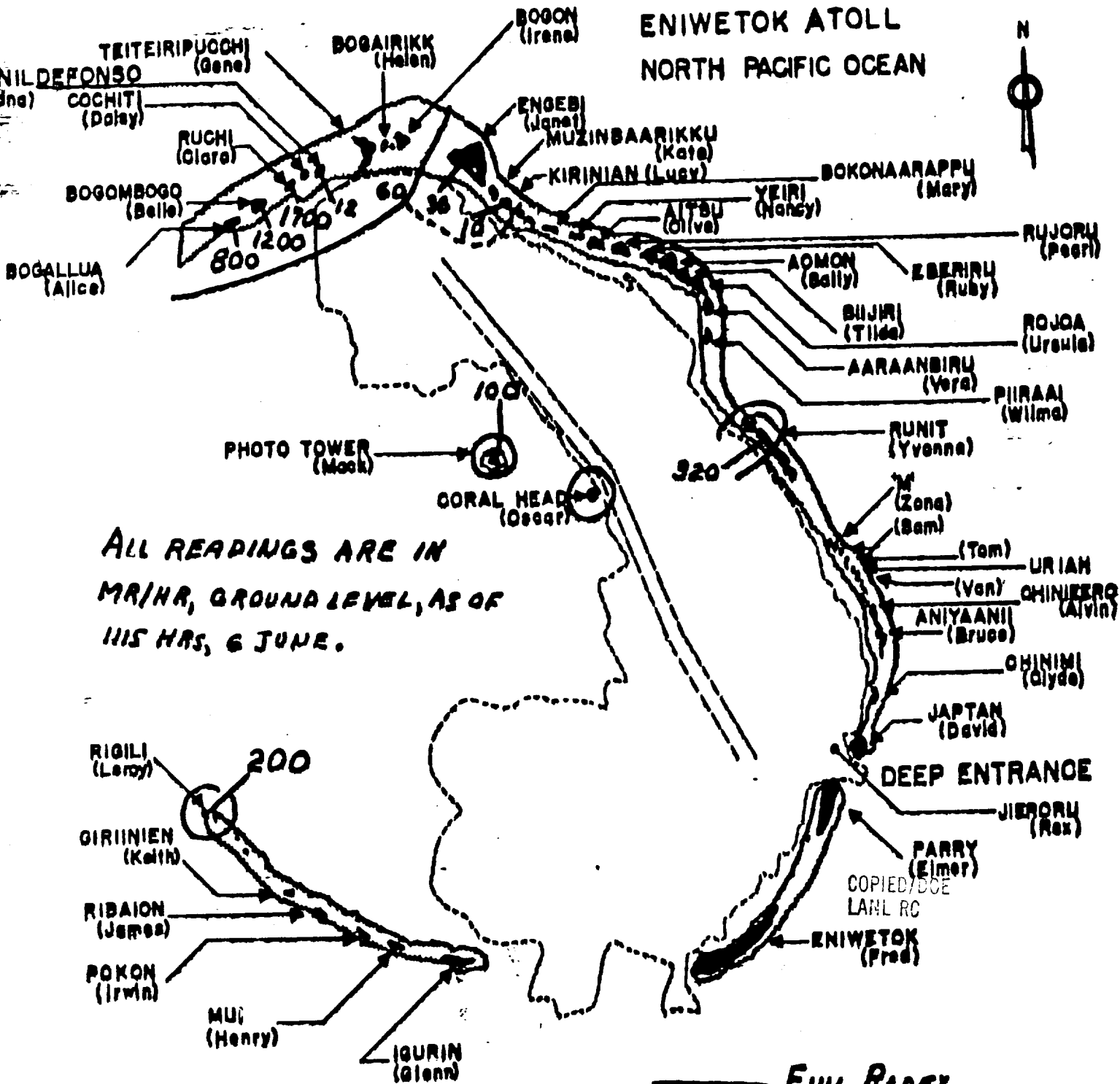
TARE Readings



220
FULL
RADEX
Full Protective
Clothing

ALL Readings In MR/HR
At Ground Level As Of
1530 Hrs. 6 June 58

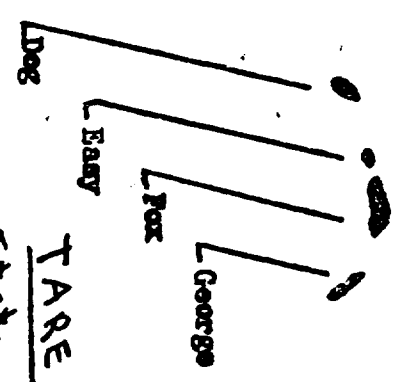
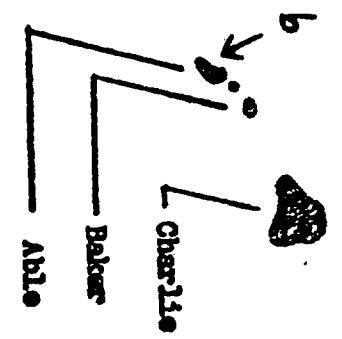
ENIWETOK ATOLL
NORTH PACIFIC OCEAN



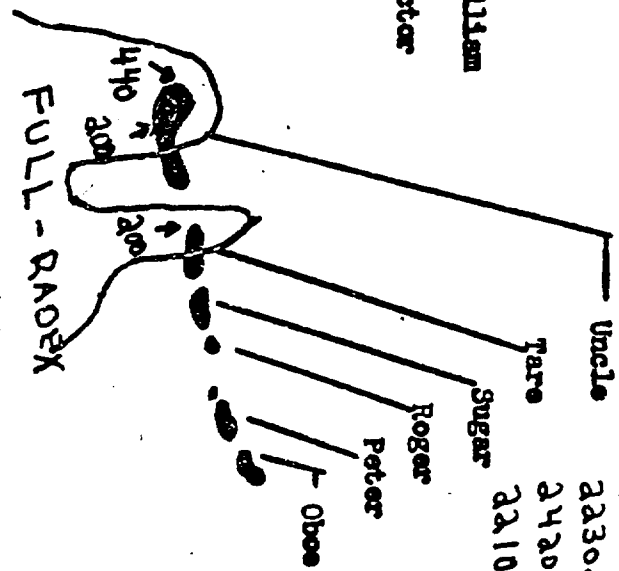
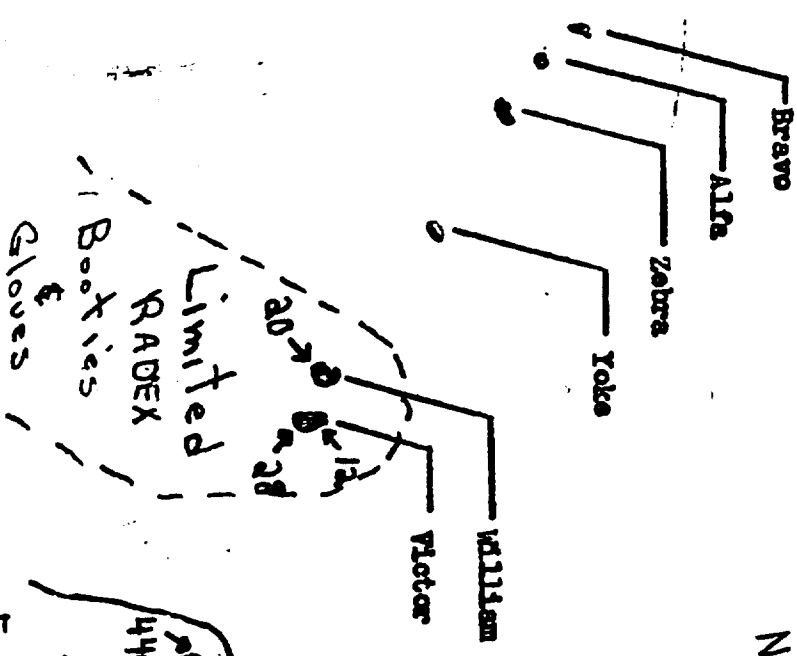
ALL READINGS ARE IN
M/HR, GROUND LEVEL, AS OF
115 HRS, 6 JUNE.

———— FULL RADEX
----- LIMITED RADEX

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LANL RC



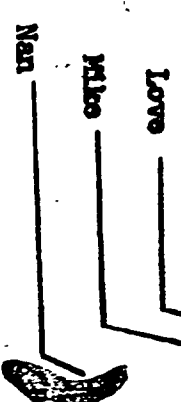
NON-RADEX



Full Protective Clothing

FULL-RADEX

Stat.	TARE Readings	MR/HR	How	Time
2420.01	60-80			
630.01	24-38			
630.02	10			
2270	20			
2230.01	20-80			
2230.62	50			
2420.02	25-60			
2210	10-25 King			



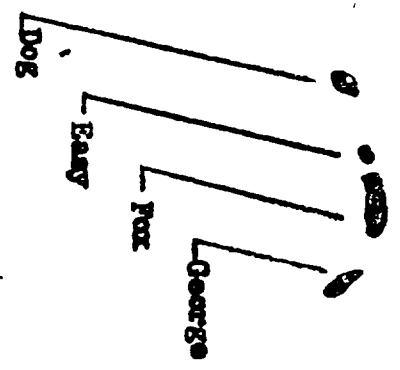
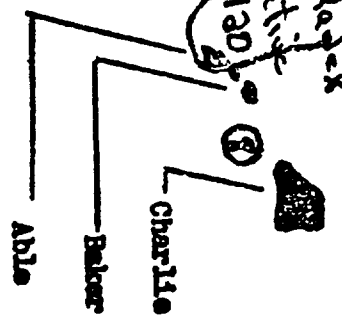
ALL Readings In MR/HR
At Ground Level As of
1530 HRS. 5 June 58

DIKINI ATOLL

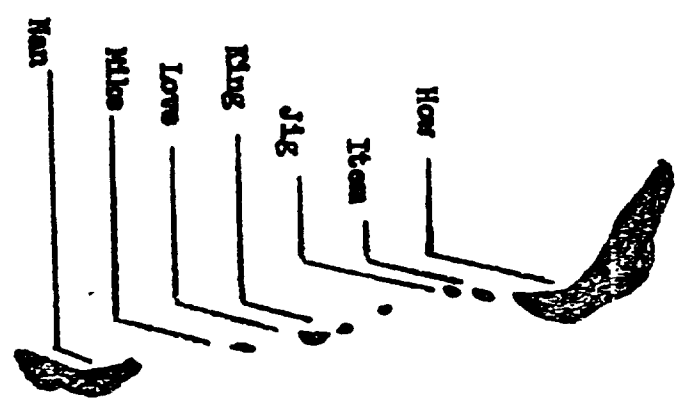
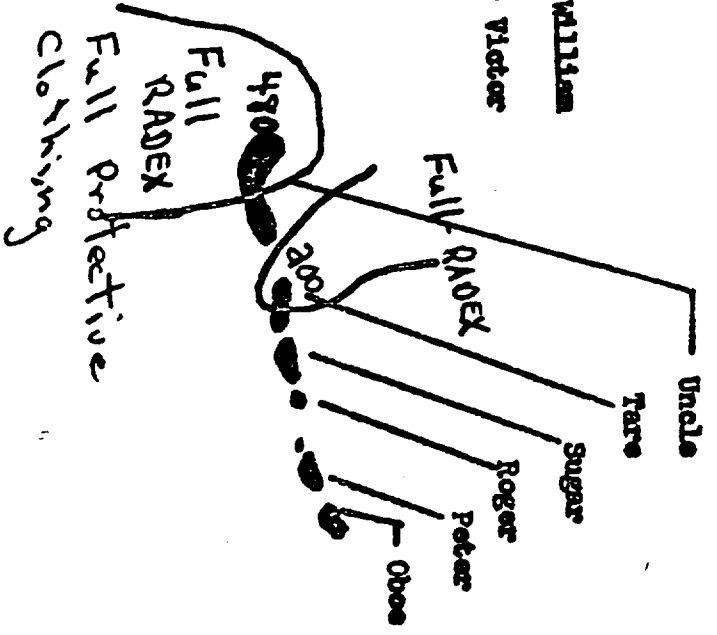
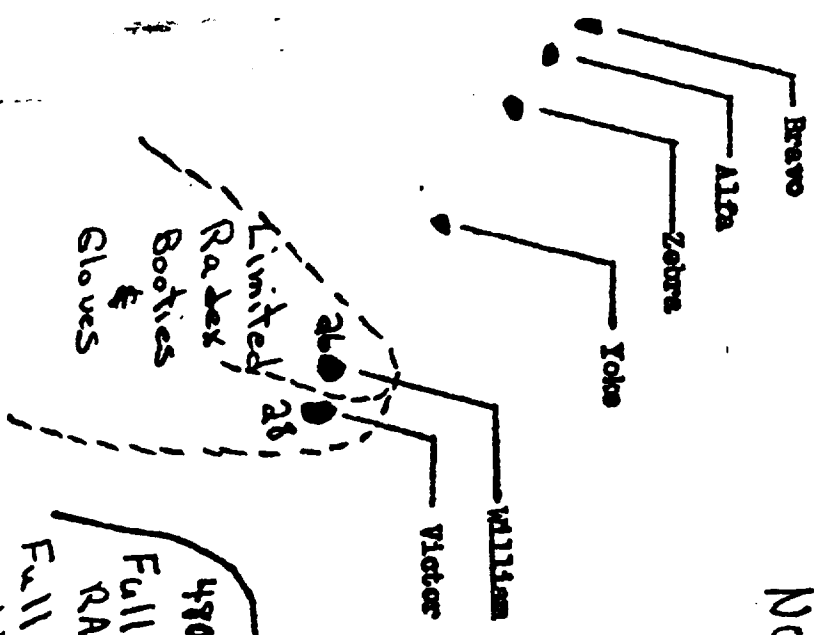
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LANL RC



Full-Radex
Full Protective
Clothing 130'



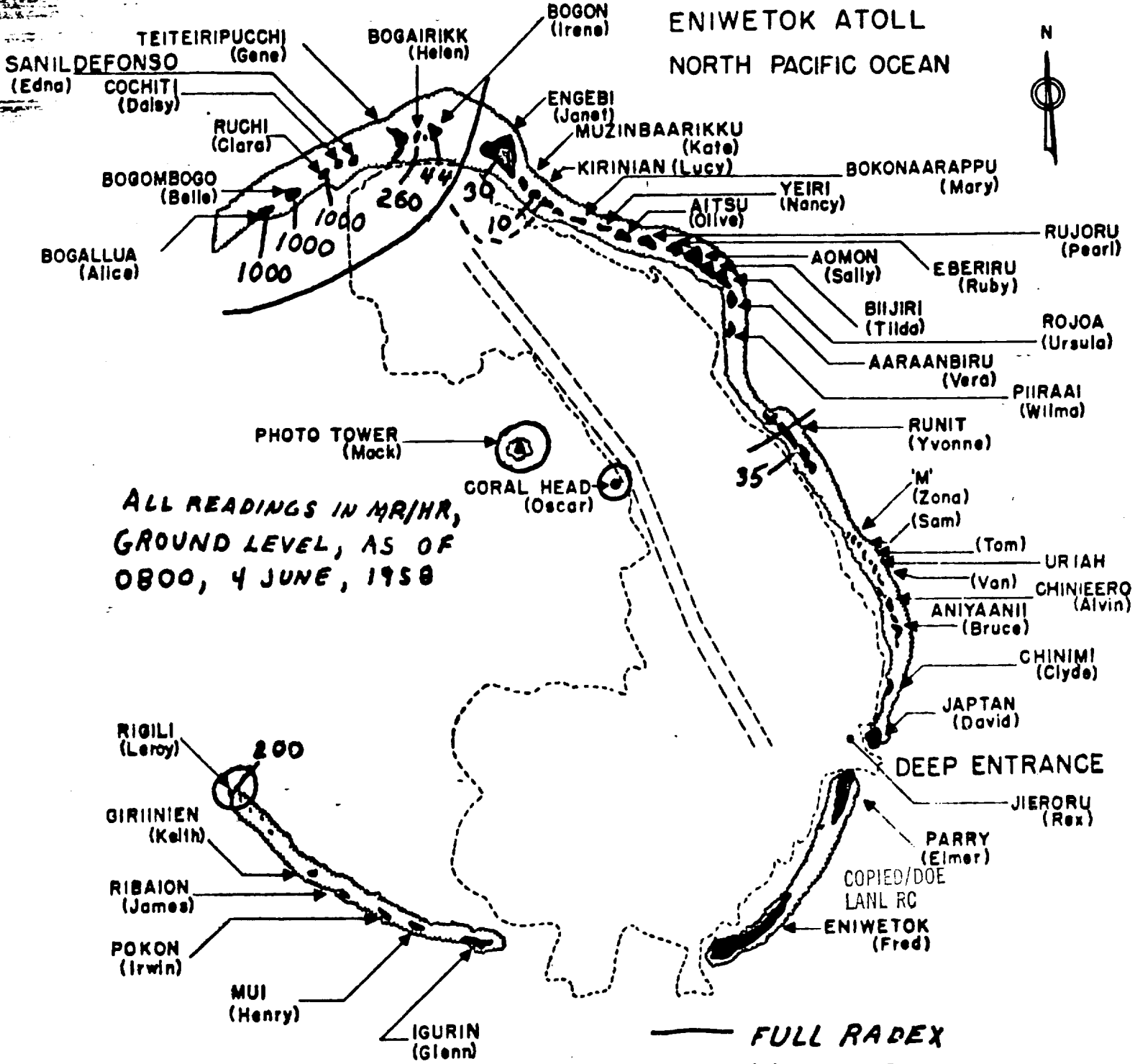
NON-RADEX



ALL Readings At
Ground Level In MALHA
AS OF 0830 HRS. 4 Sun

52

ENIWETOK ATOLL
NORTH PACIFIC OCEAN

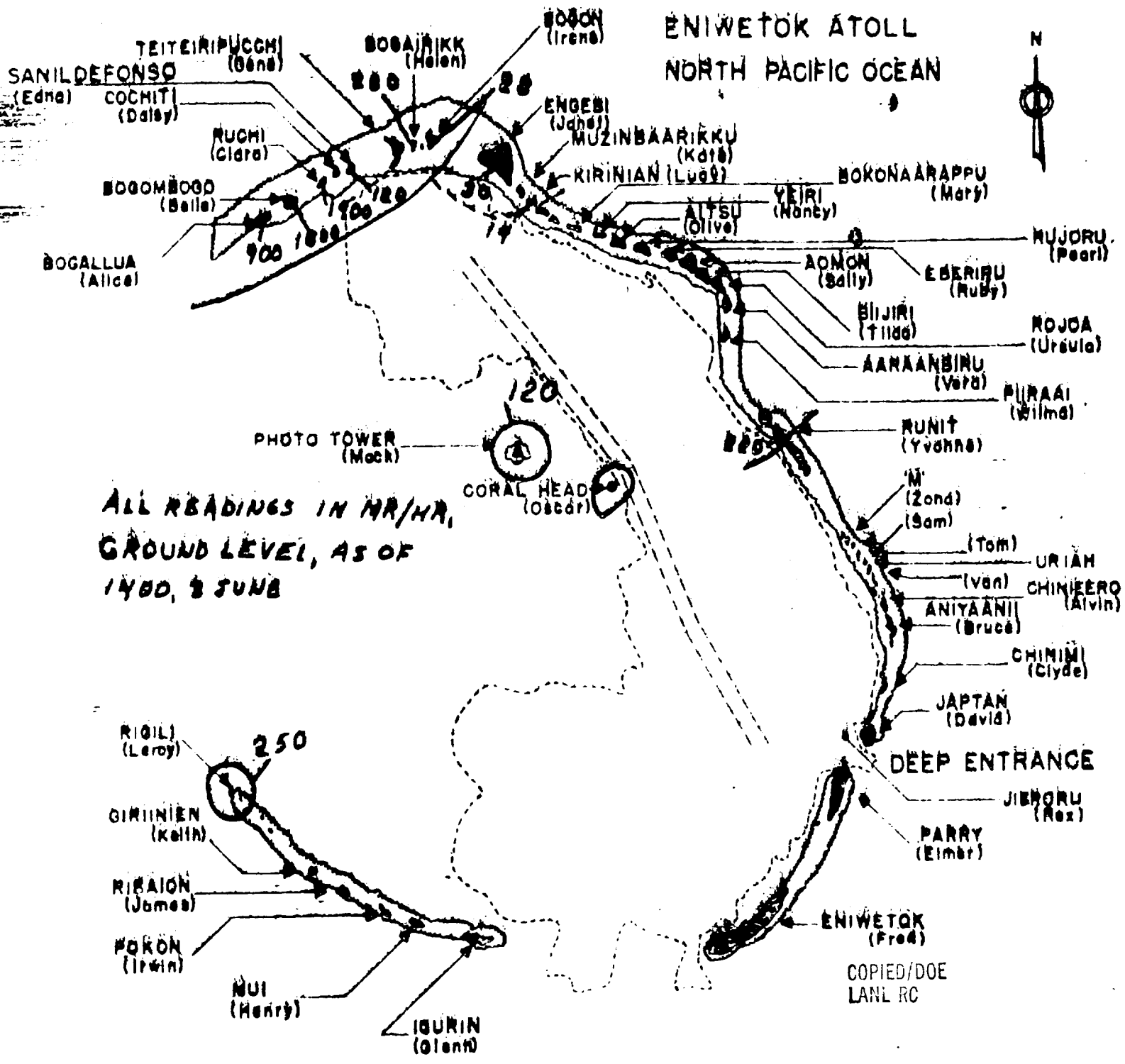


ALL READINGS IN MR/HR,
GROUND LEVEL, AS OF
0800, 4 JUNE, 1958

— FULL RADEX
- - - LIMITED RADEX

61

ENIWETOK ATOLL
NORTH PACIFIC OCEAN

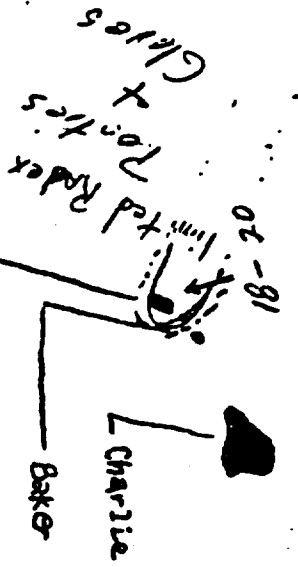


ALL READINGS IN NR/HR,
GROUND LEVEL, AS OF
1400, 3 JUNE

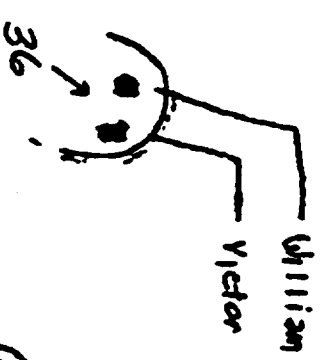
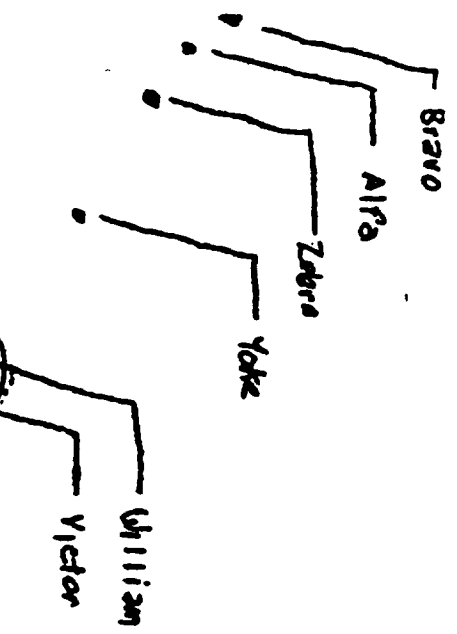
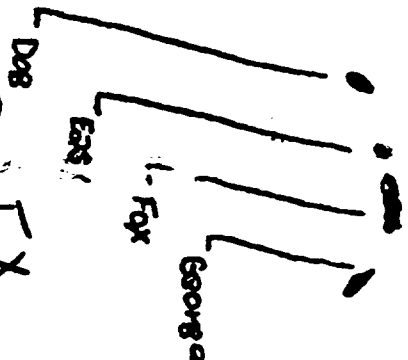
NOTE: MACK TOWER READING
AS OF 1000, 3 JUNE

———— FULL RADEX
----- LIMITED RADEX

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LANL RC



NON RADEX
Tape Readings



Limited Radex + Gloves

Full Radex
Full Protective
Clothing

Uncle	2210	16 - 28	How
Tom	630.01	16 - 20	Item
Sugar	2230.01	40 - 60	
Roger	2420.01	20 - 30	
Peter	2420.02	60 - 280	
Bob	2270	50 - 80	
	2420.02	12 - 34	King
	630.02	0 - 5	Love
	2230.02	80 - 100	Nike

N

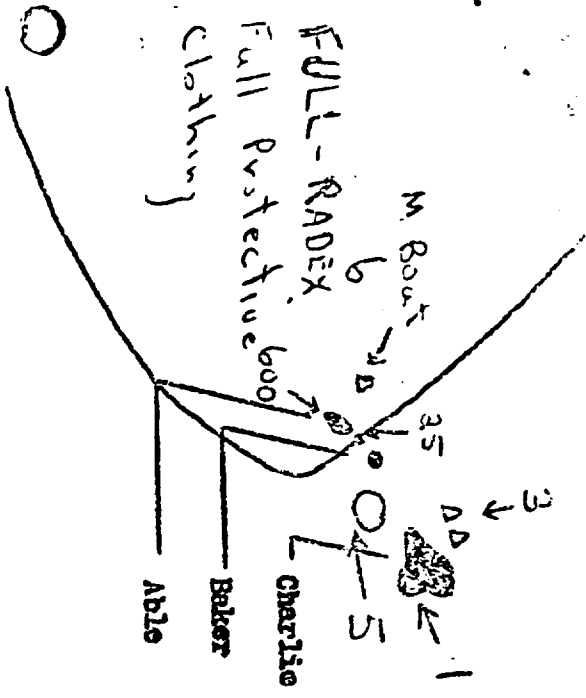
All Readings in MR/AS
At Ground level AS
0830 hrs 3 wire 5B

5B

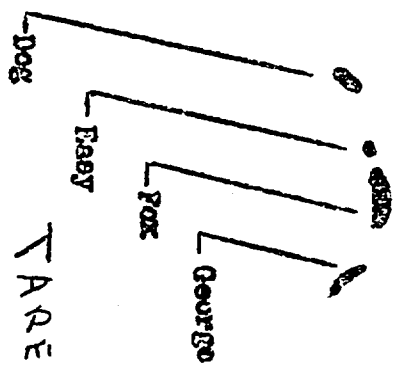
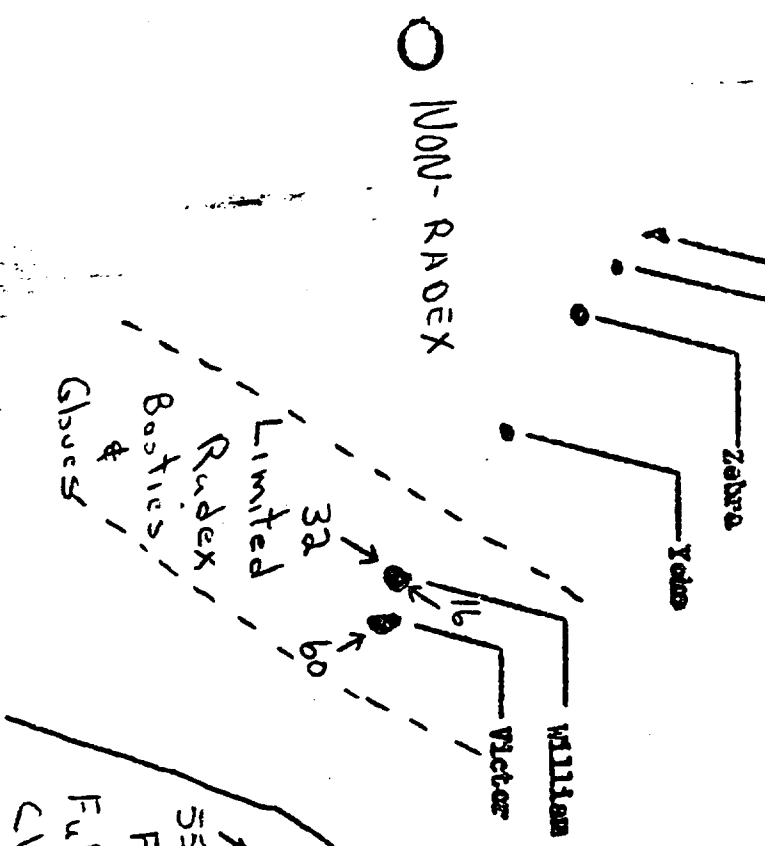
BIKINI ATOLL

COPIED/DGE
LANL RC

N
↑

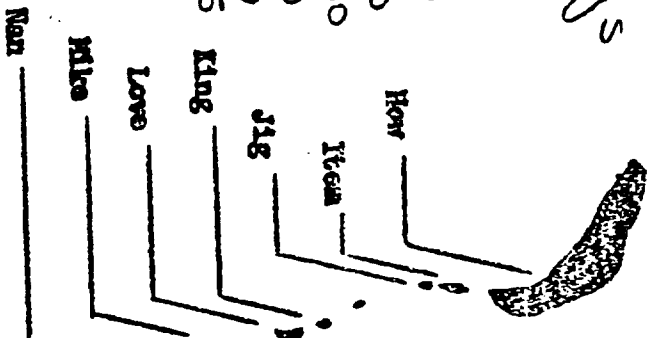
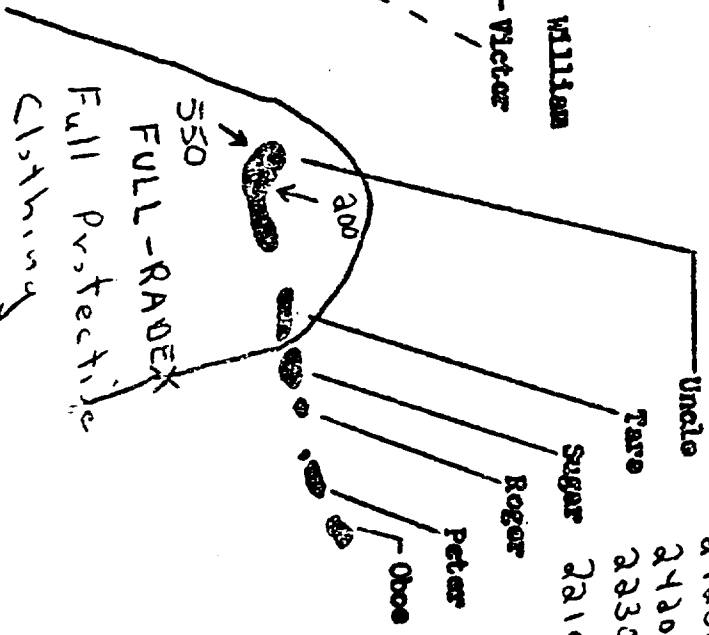


NON-RADEX

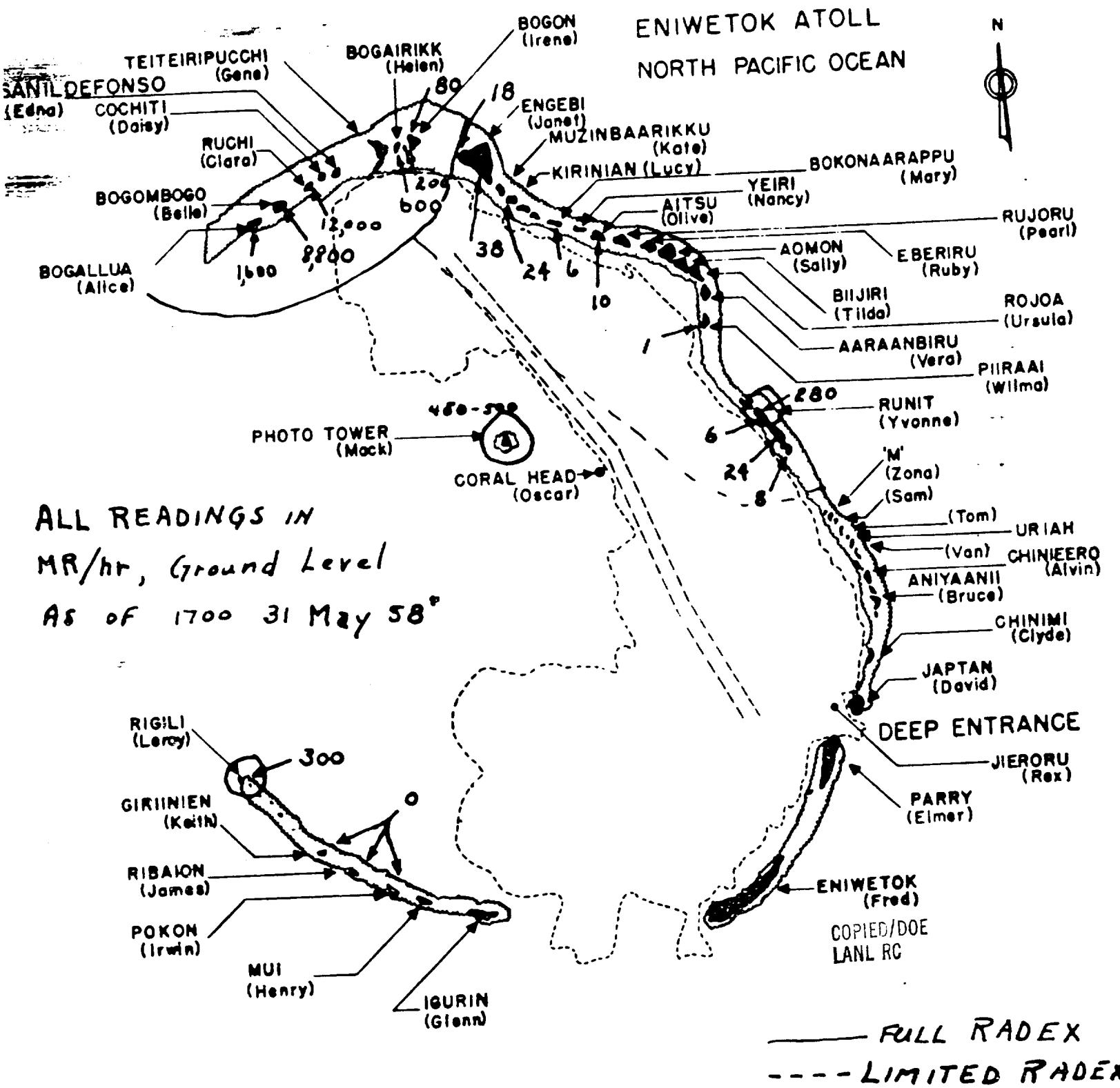


TARE Readings

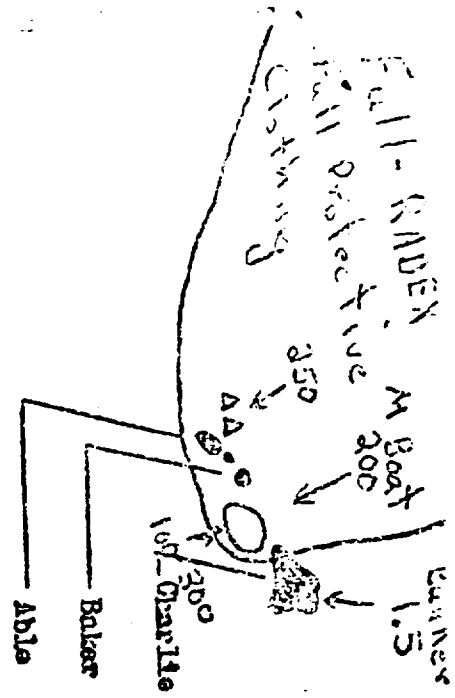
Calvert 50
630.02 7
630.01 60
2270 130
2420.01 500
2420.02 40
2230.01 80
2210 25



ALL Readings In MI
At Ground Level As
1535 HRS. 2 June

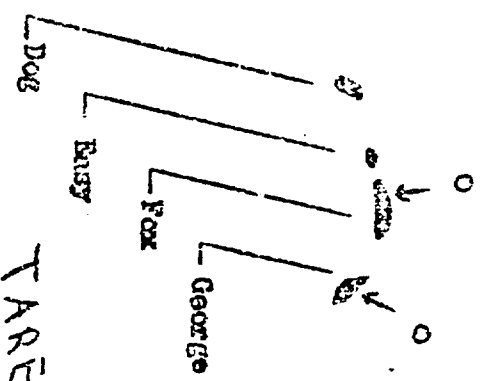


* Mack Photo Tower
1200 hrs 1 June 58



COPIED/DOE
LANL RC

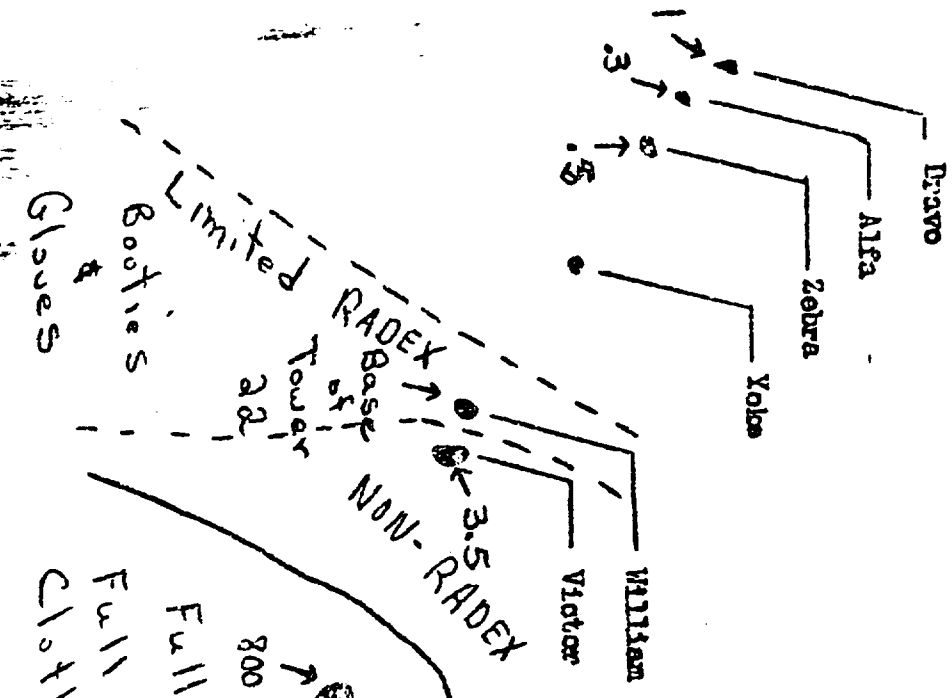
BIKINI ATOLL



TARE Readings
STAT MR/PK

NON-RADEX	STAT	MR/PK
630.02	10	
630.01	90	How
Culvert	80	Team
2210	40	
2210	240	JIS
2230.01	80	
2230.02	140	Klug
2420.01	500	Love
2420.02	80	Isle
2370		Ian

ALL Readings AT
Ground Level In MR/PK
AS OF 1545 HRS.

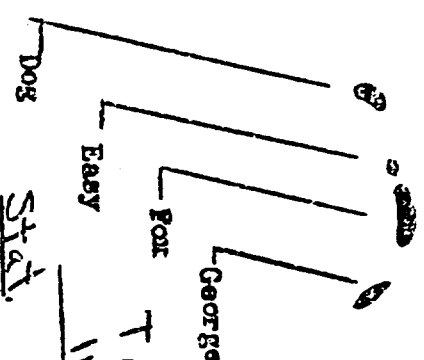
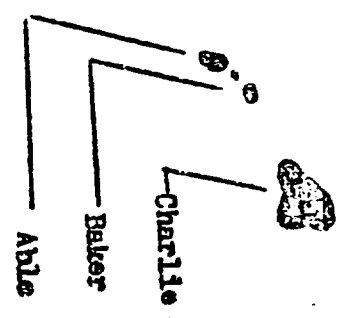


Full RADEX
Full Protective
Clothing

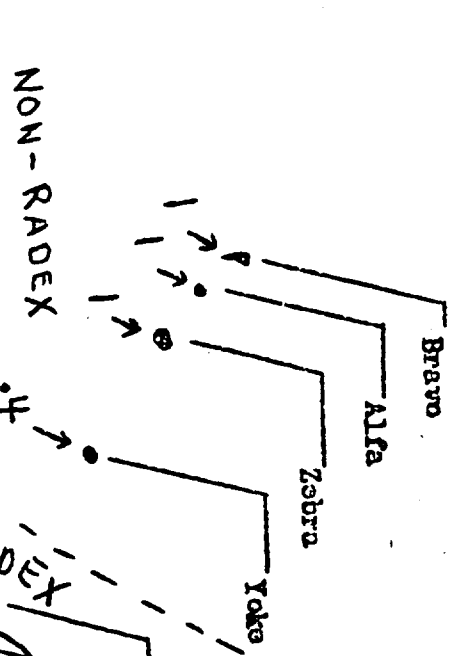
Booties
&
Gloves

June

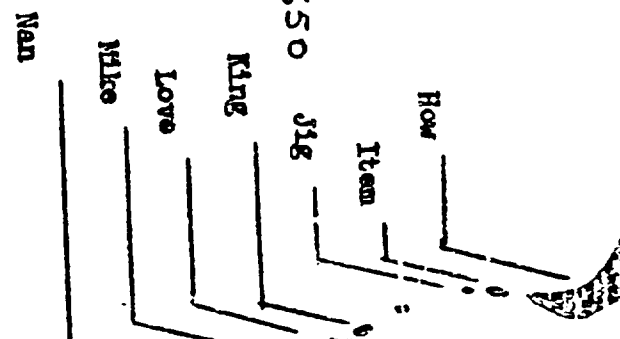
COPIED/DOE
LANL RC



TARE Readings
1406 HRS. 30 MAY



NON-RADEX



Boaties
Gloves
Must be worn in
this Area

Limited
RADEX

FULL-RADEX

Full Protective Clothing

ALL Readings in MR/H
At Ground Level
(Island Survey)
1450 HRS 29 MAY

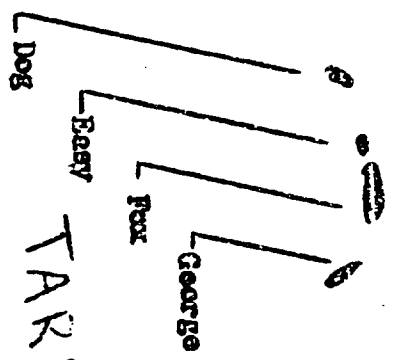
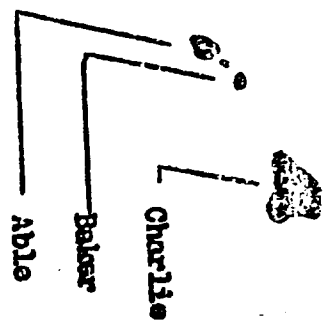
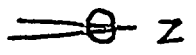
(See TARE Above)

Stat.

MR/HR

2210	100	
630.01	120	
2230.02	100-180	How
2270	140	Item
2230.01	100	
Culvert	80	
2420.01	300-550	Site
2420.02	180	
630,03	18	

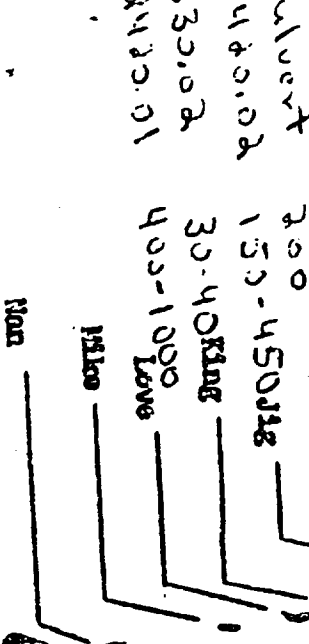
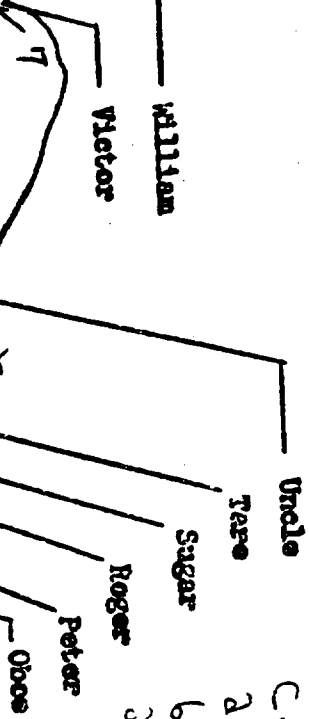
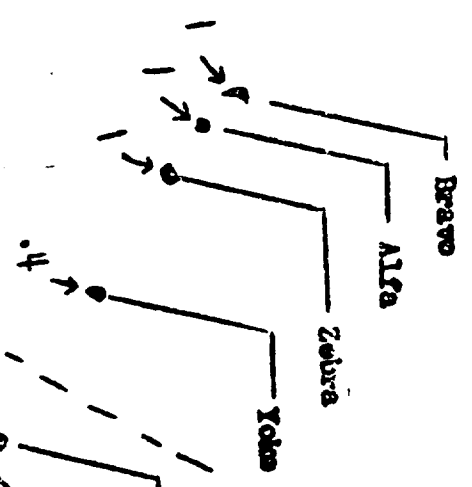
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LANL RC



NON-RADEX

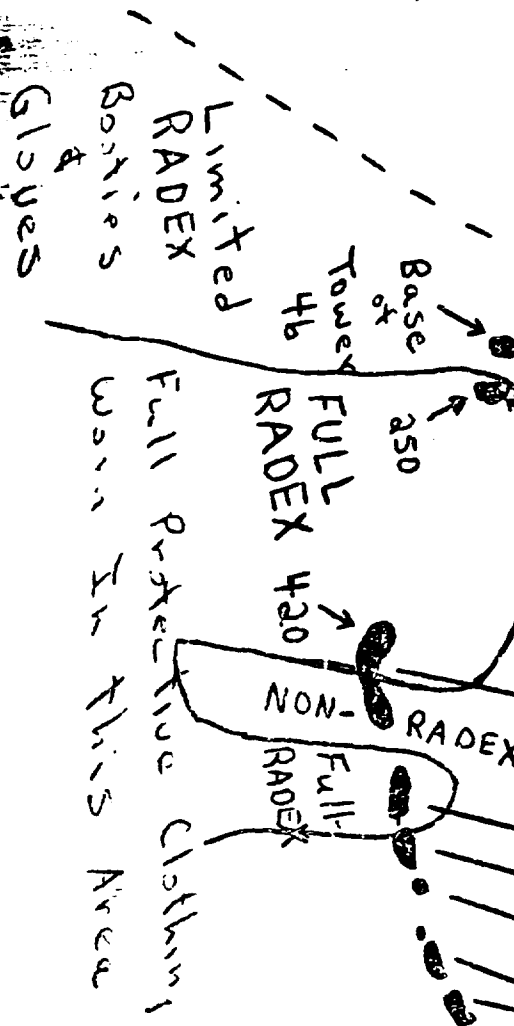
Sta. 2310
630.01
2230.02
2310
2230.01
2440.02
630.02
2420.01

Readings
80-130
80-160
100-260
300-350 Hour
100-200 Trees
200
150-450 Jg
30-40 King
400-1000
None



ALL Readings At
Ground Level IN M

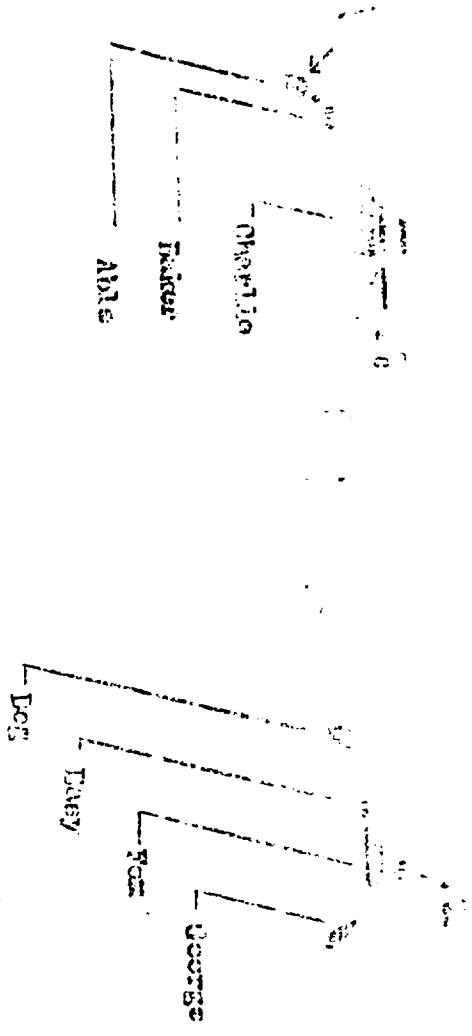
1450 HRS. 29 MAY



Limited
RADEX
Bottles
&
Gloves

Full Protective Clothing
Worn In This Area

COPIED/DOE
LANL RC

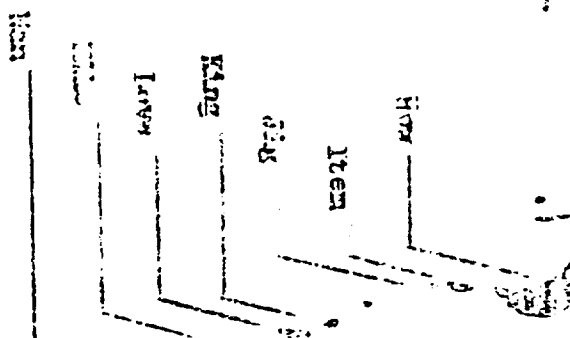


Stations
2210
550.01
2240.02
2250.01
2270
Culvert

Range 10/15
100-140
90-100
10-100
100-150
200-400
200-250

2120.01
2130.02
630.02
Roger
Osce

600-700
260-300
30-40



NON-RADEX

NON-RADEX
Limited RADEX

Full-RADEX

Boots
&
Gloves

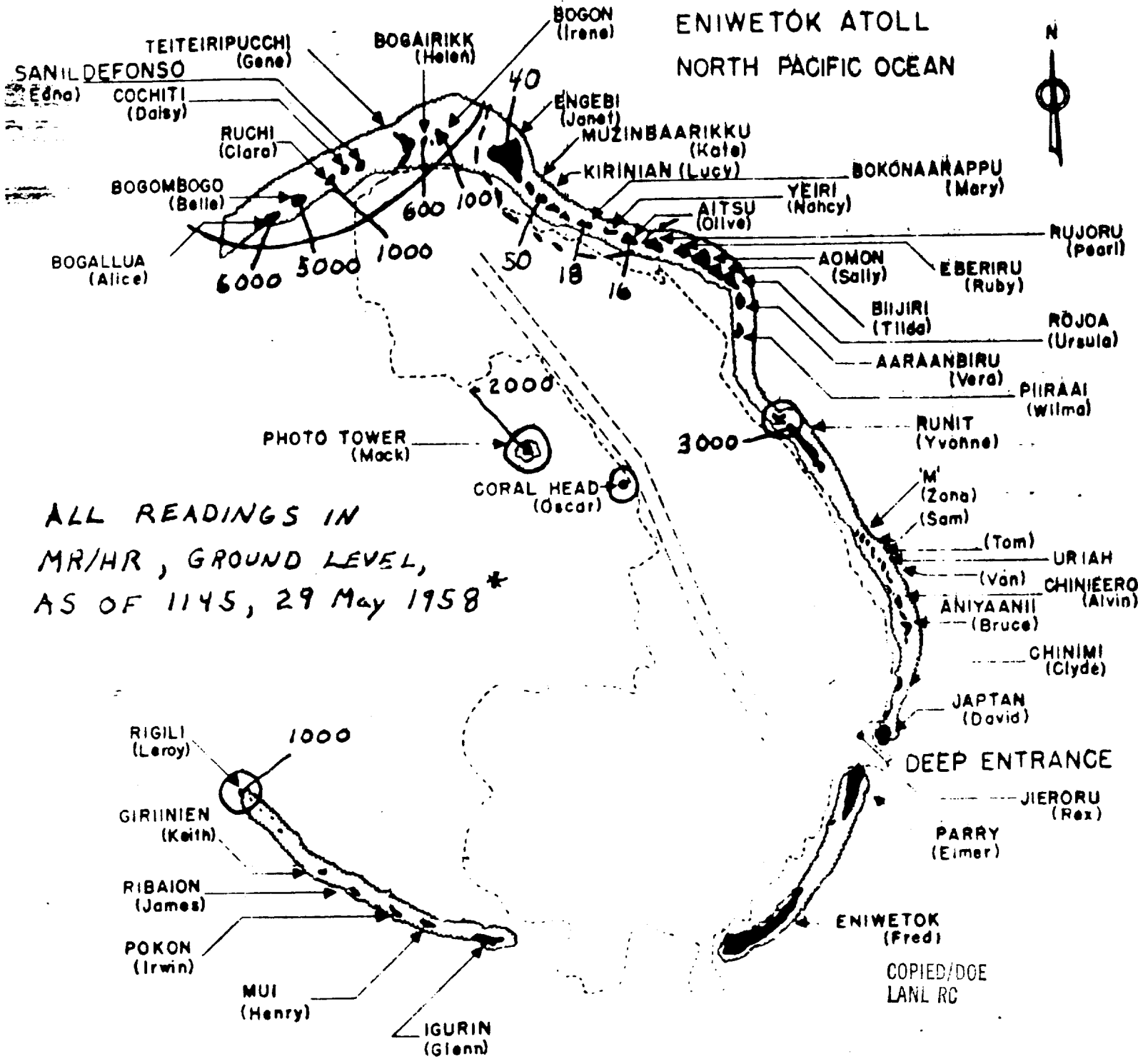
Full protective clothing
Must be worn in this area

ALL Readings (EXCEPT
AT Ground Level) (See A-1)
IN MR/PA AS OF
1430 WRS 28 MAY

2000

2

ENIWETOK ATOLL
NORTH PACIFIC OCEAN

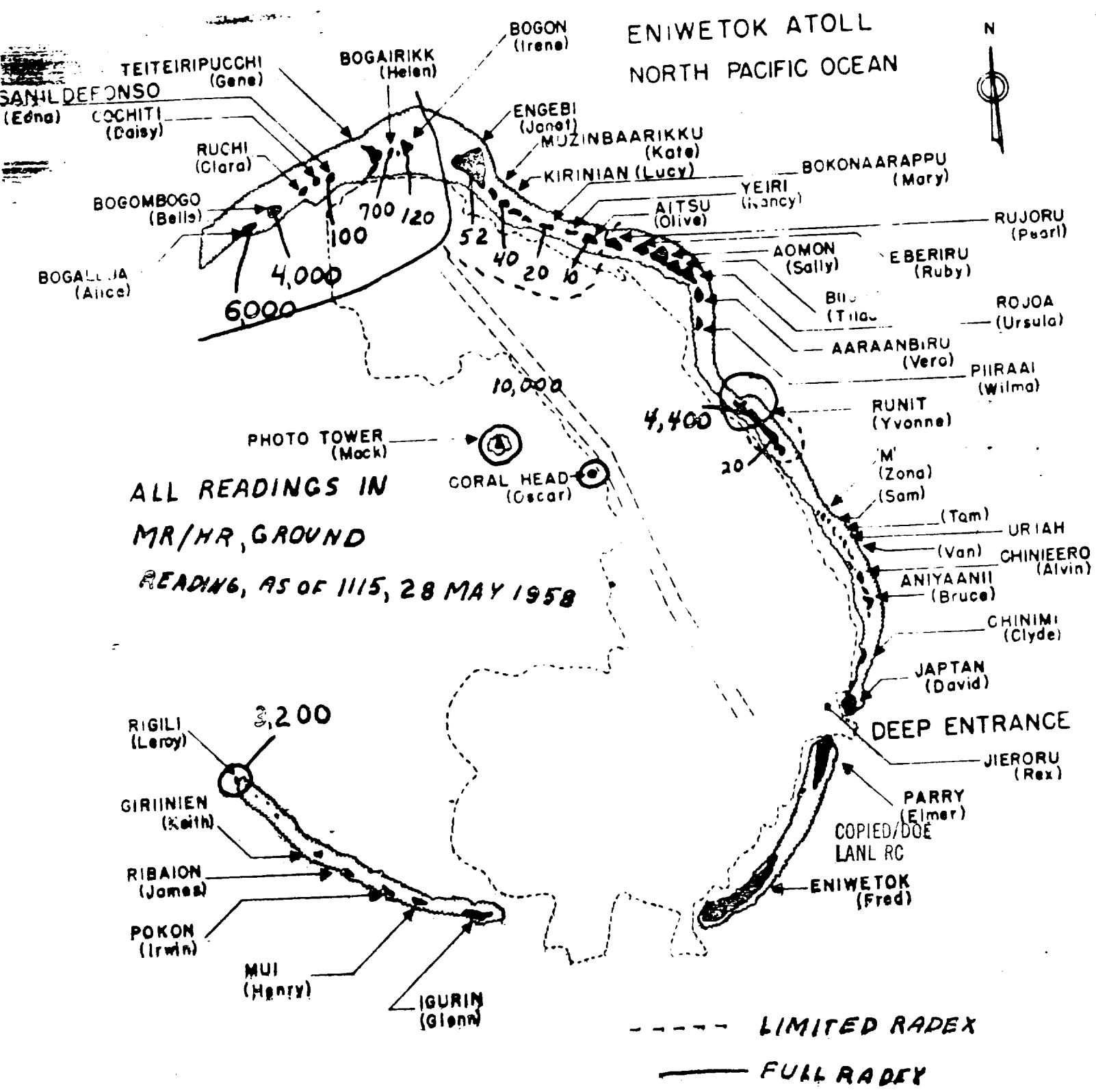


ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1145, 29 May 1958*

Mack Photo Tower Reading
As of 1500, 28 May 1958

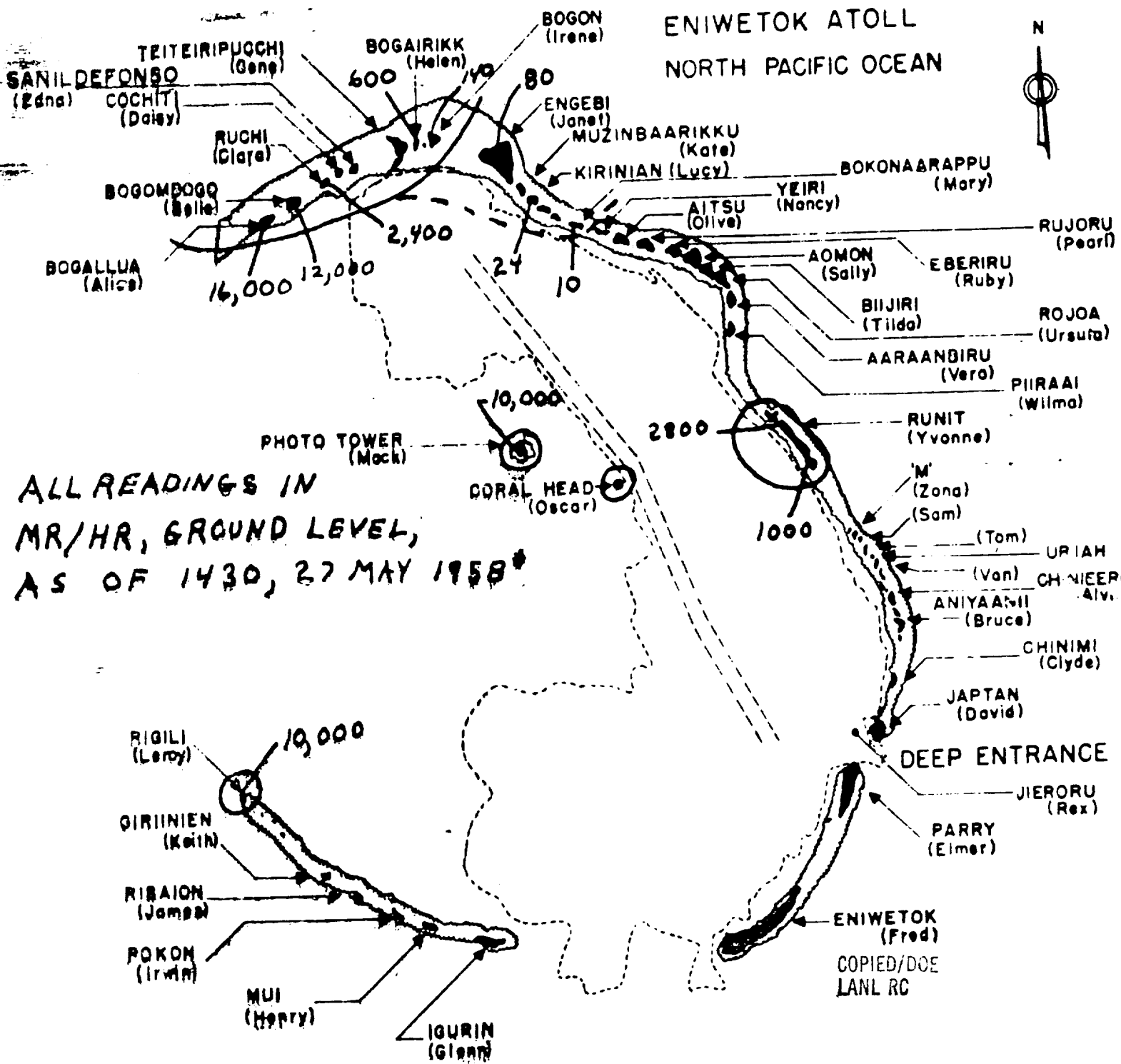
----- LIMITED RADEX
———— FULL RADEX

15



76

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1430, 27 MAY 1958*

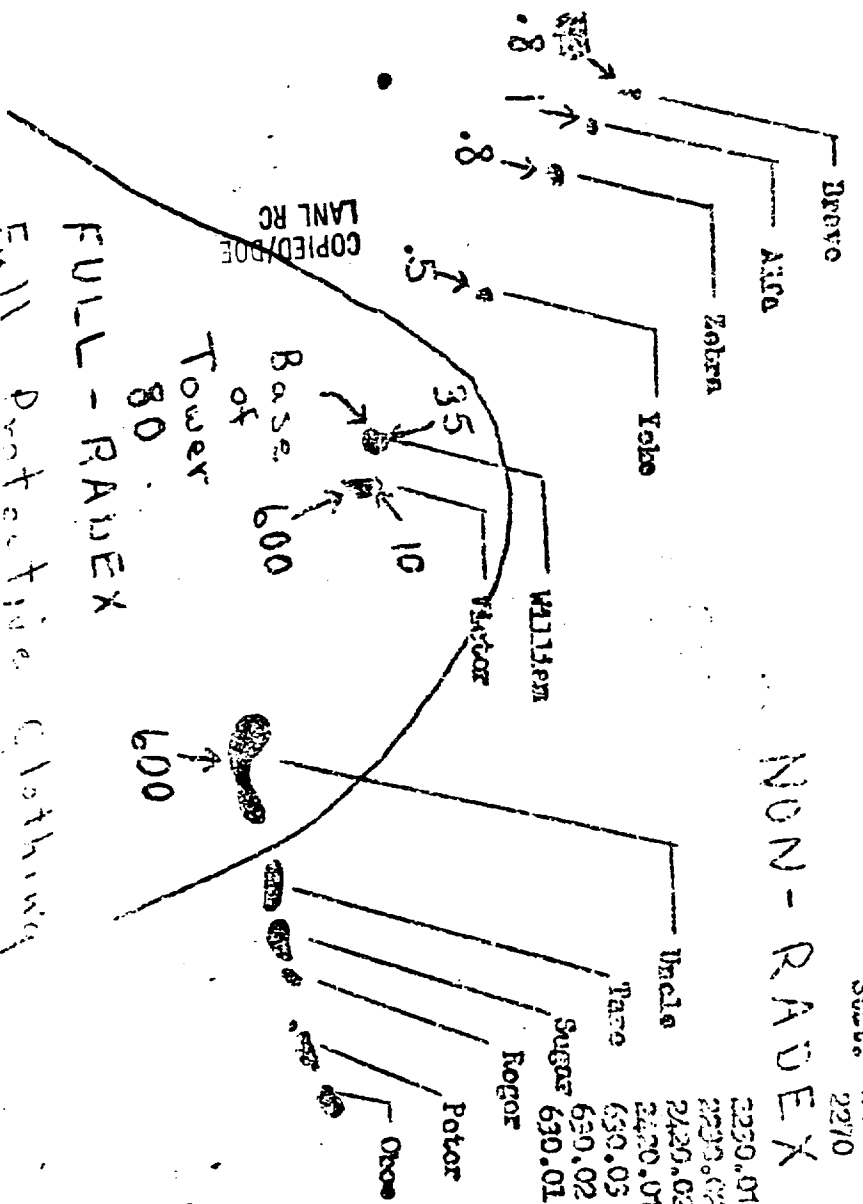
* MACK PHOTO TOWER
AS OF 1100.
YELLOWWOOD G. Z. - 10 MR/HR.

--- LIMITED RANGE
— FULL RANGE

↑

78

FULL - RADEX
 Full Protective Clothing
 Must Be Worn In This Area



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 LANL RC

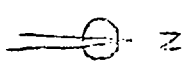
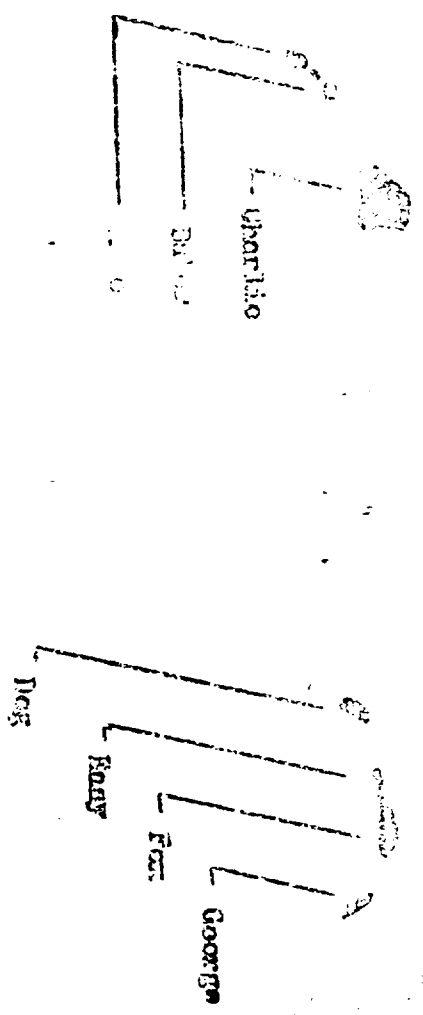
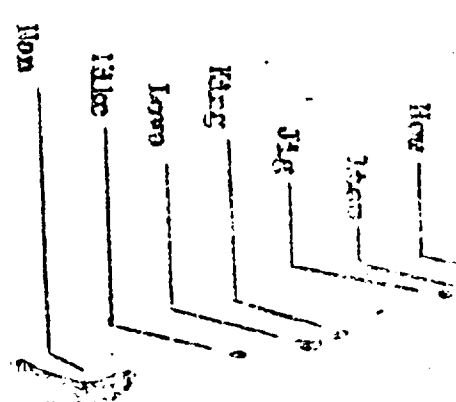
NON - RADEX

TABLE RECALCULATED 0915 Dec 27/197

Seals	200	17/HR
22710	200	
22710	600	

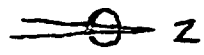
2230.01	300
2230.02	260
2420.02	500
2420.01	800
630.05	6
630.02	80
SUGAR 630.01	280
Rogor	
Potor	
Okoo	

ALL Reading At
 Ground Level In MR/HR
 AS. OF 1430 HAS AT MR/HR

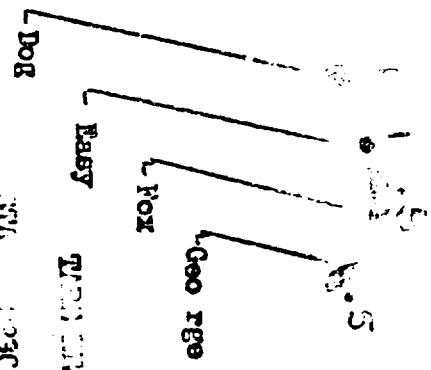
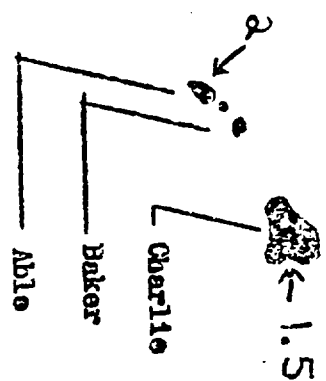


SECRET

BIKINI ATOLL

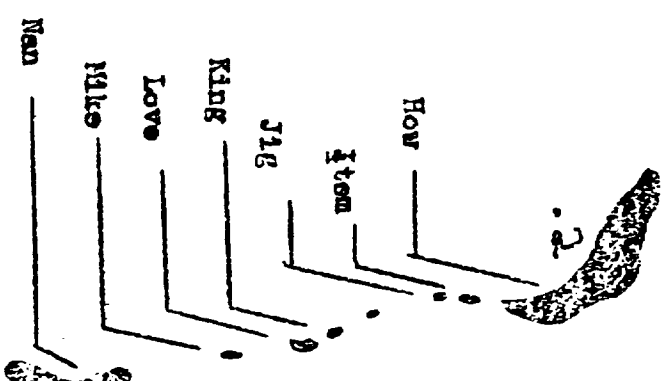


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LANL RC

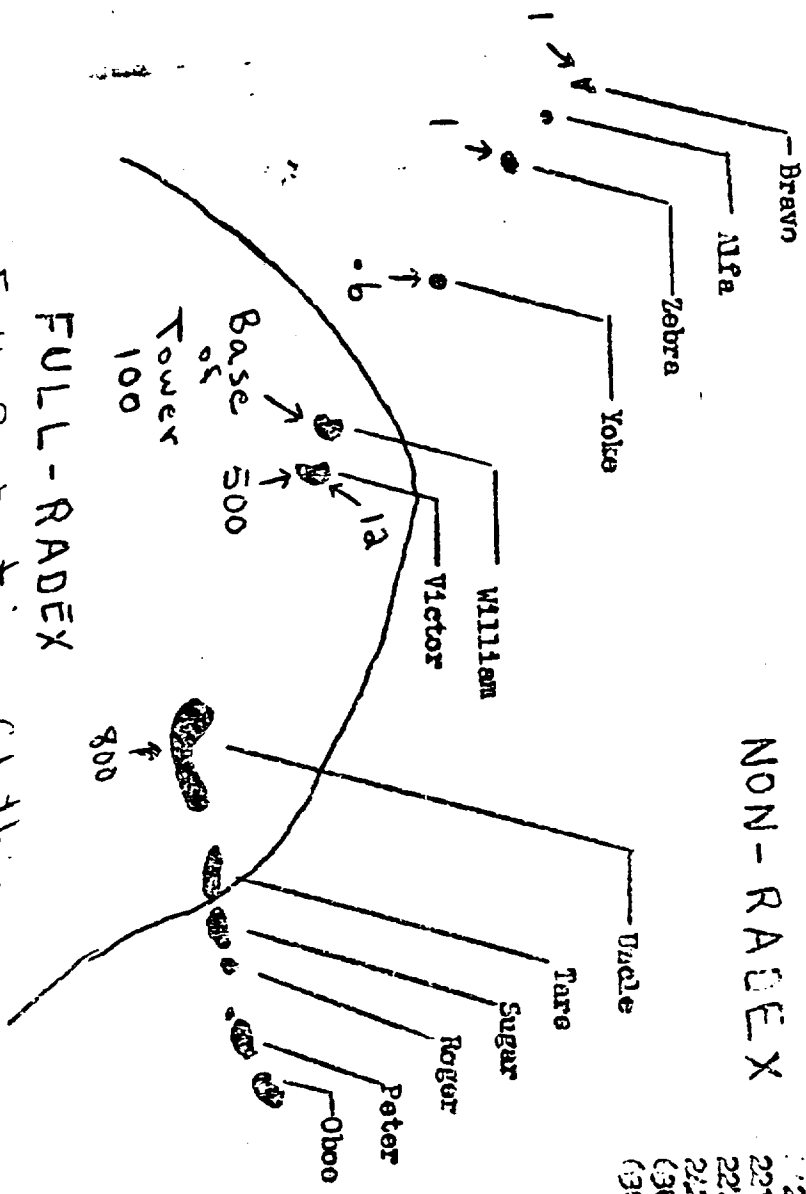


SIN

103C.01	400
1020.02	55
19C.01	420
120.1	1600
2310	400
2270	1900
2720.C2	1000
130.03	6
130.02	75



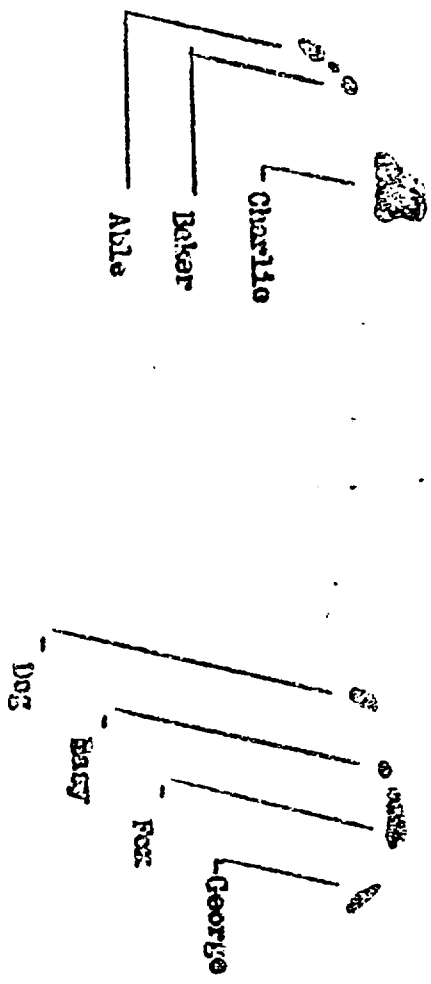
NON-RADEX



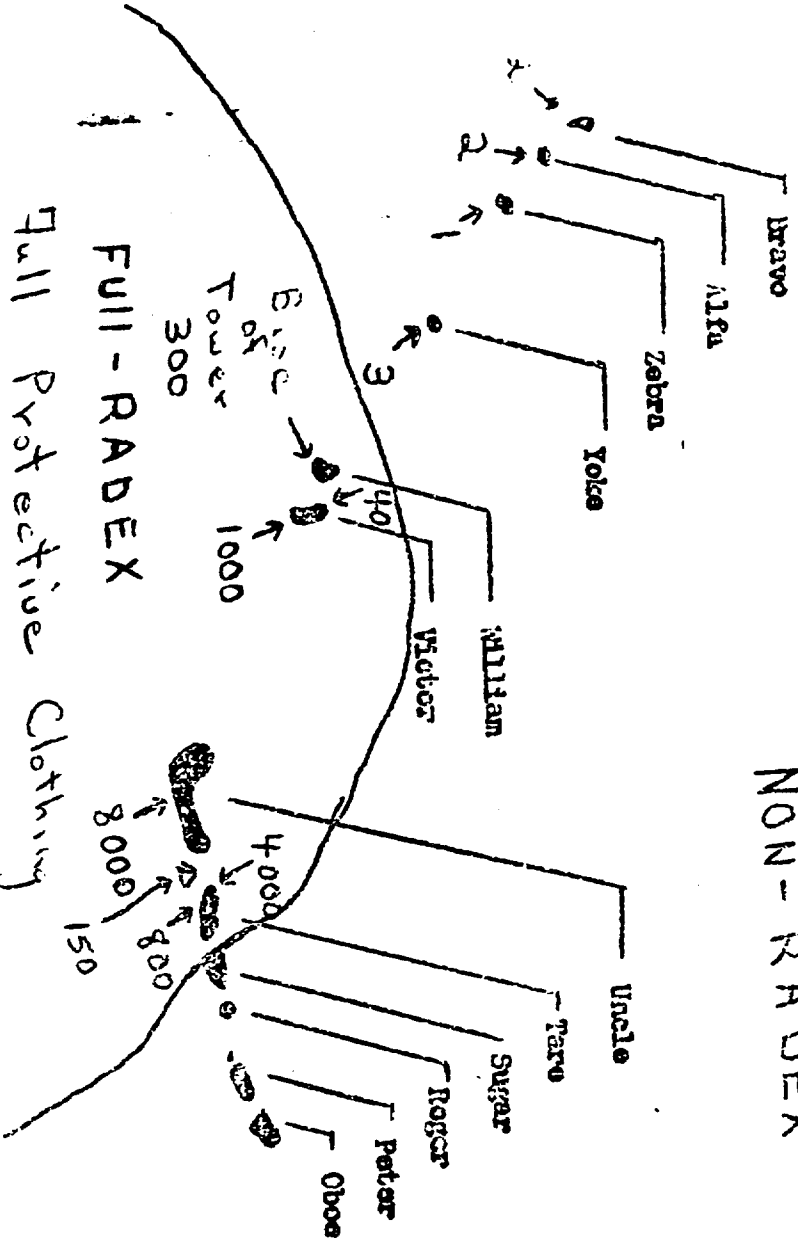
FULL-RADEX
Full Protective Clothing
Will Be Worn In This Area

ALL Readings At Ground
Level In MR/HR AS OF
1500 HRS. ab May

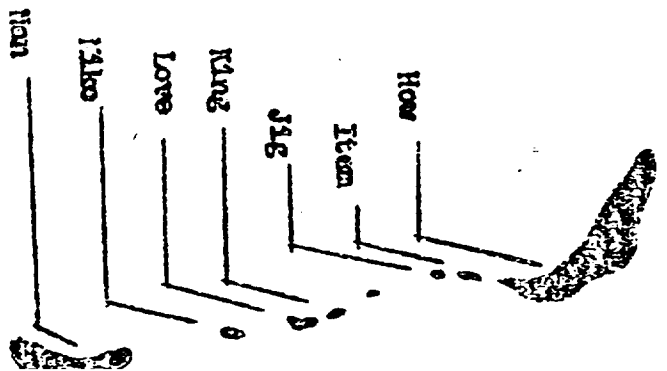
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LANL RC



NON - RADEX

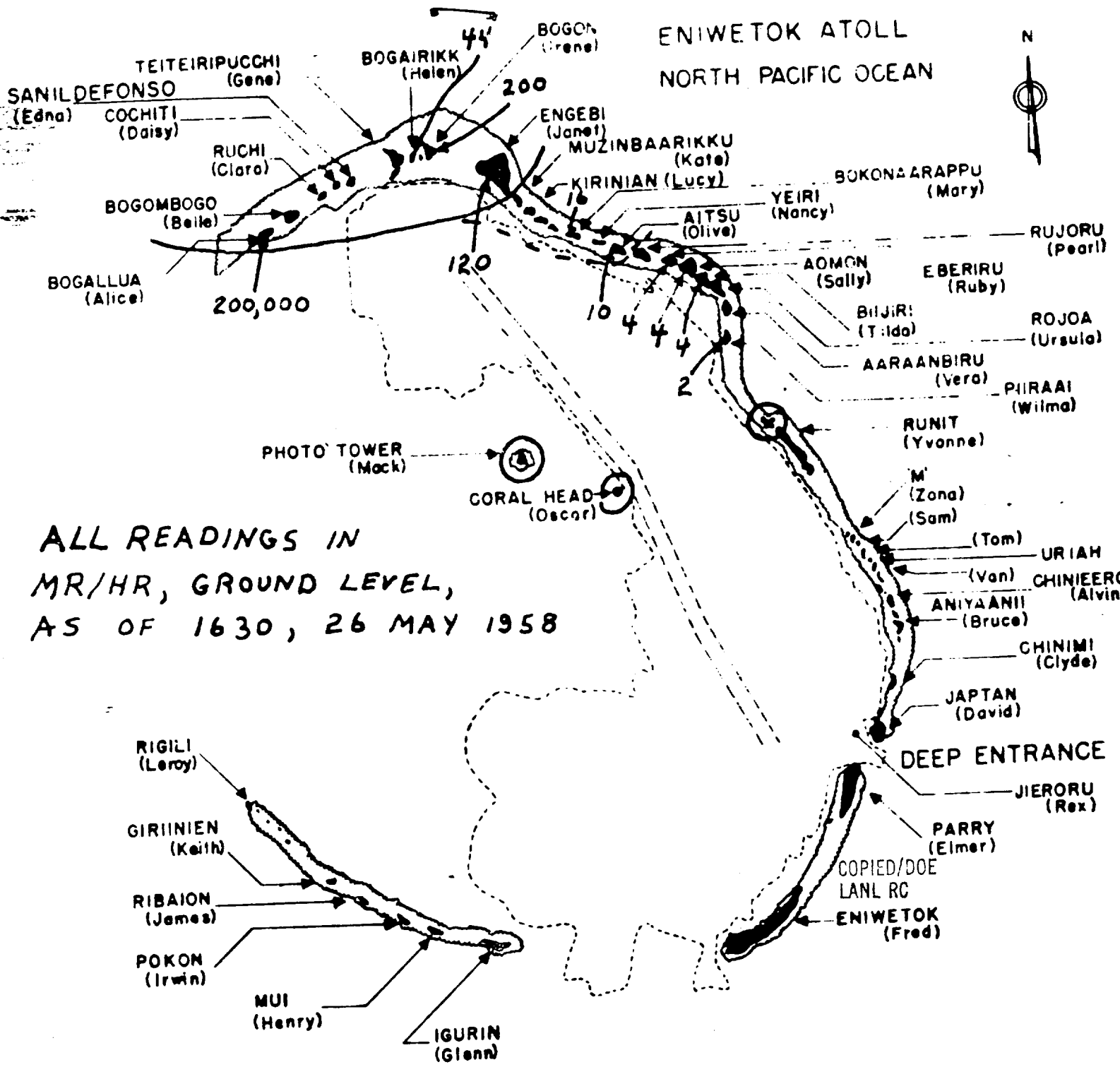


Full Protective Clothing
Will Be Worn In
THIS AREA



ALL Readings AT
Ground Level IN
MR/MR AS OF 1630 HR
24 MAY 58

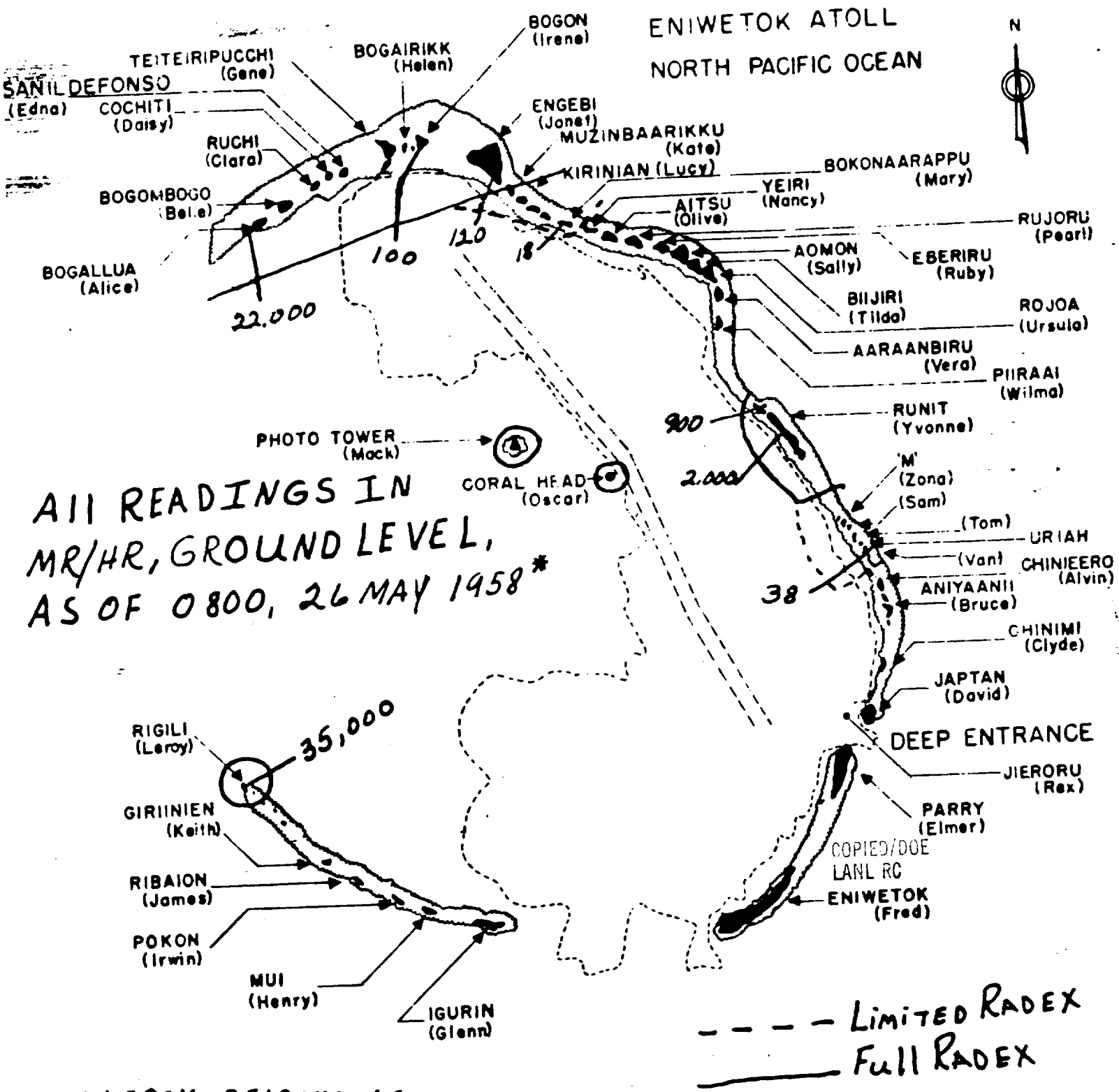
ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1630, 26 MAY 1958

--- LIMITED RADEX
— FULL RADEX

81



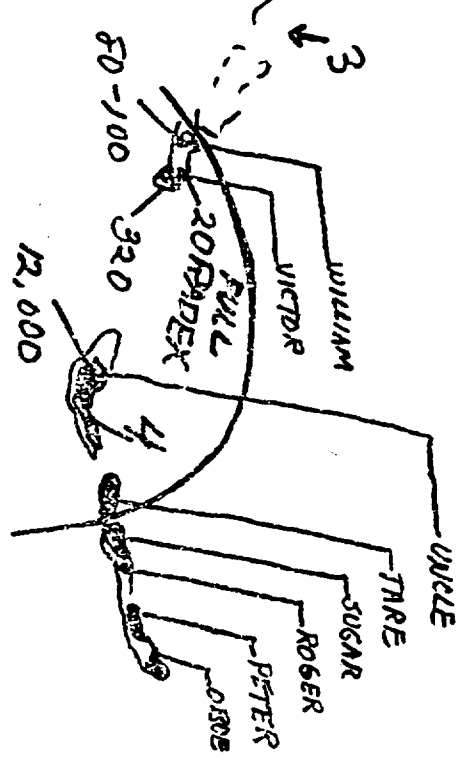
ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0800, 26 MAY 1958*

* LEROY READING AS
OF 0930.

87

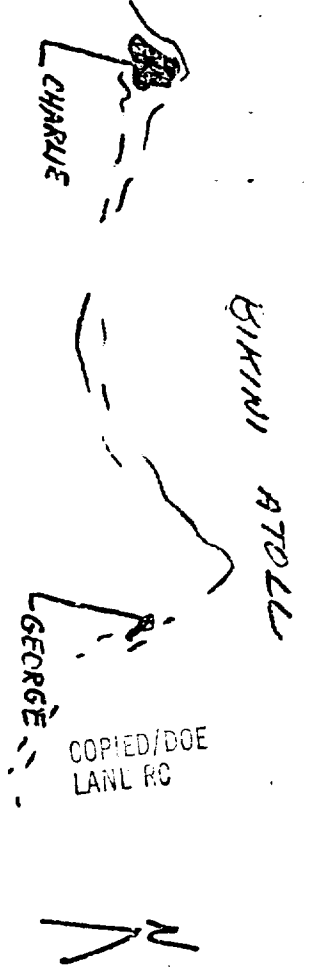
TARE READINGS

STA	630.02	- 200
	2210	- 1000
	2270	- 2500
	2230.01	- 1000
	2230.02	- 1500
	2420.01	- 3500
	2420.02	- 500
	630.03	- 9
	630.01	- 1000

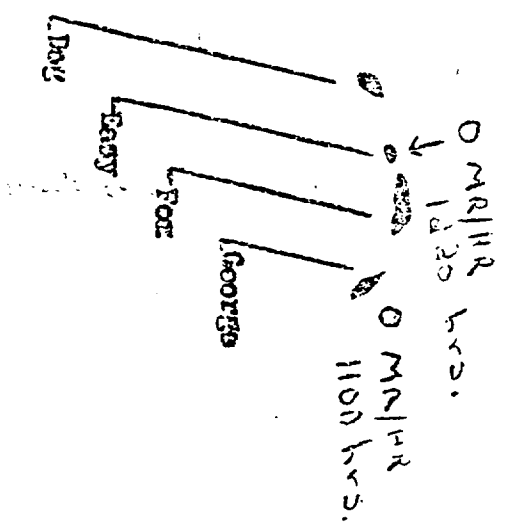
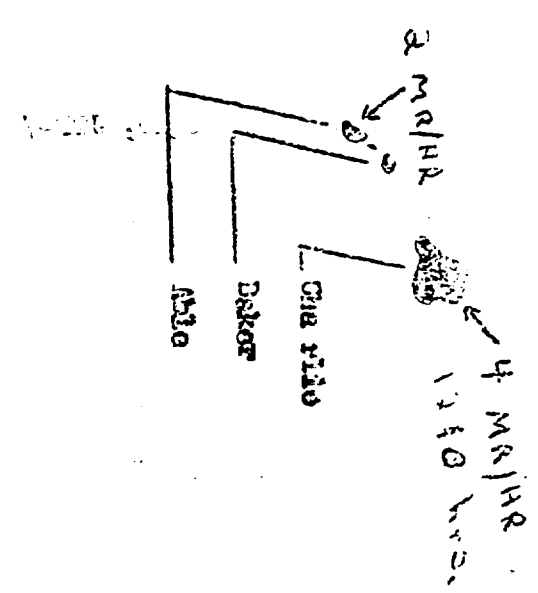


ALL READINGS IN
 MR/HR AS OF
 1600 (ground level)

RAD-SAFE
 SIT-MAN



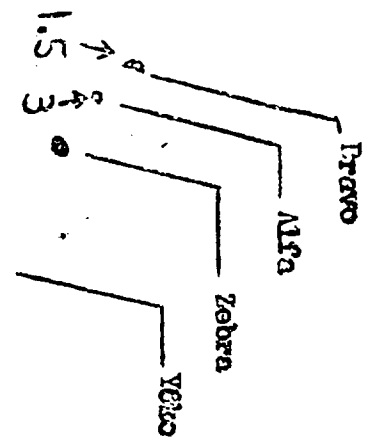
2008



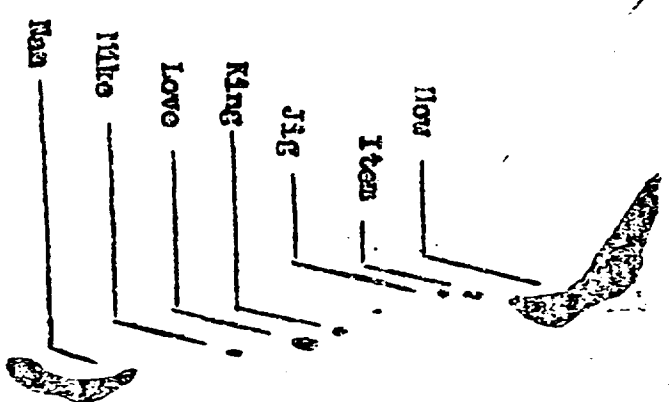
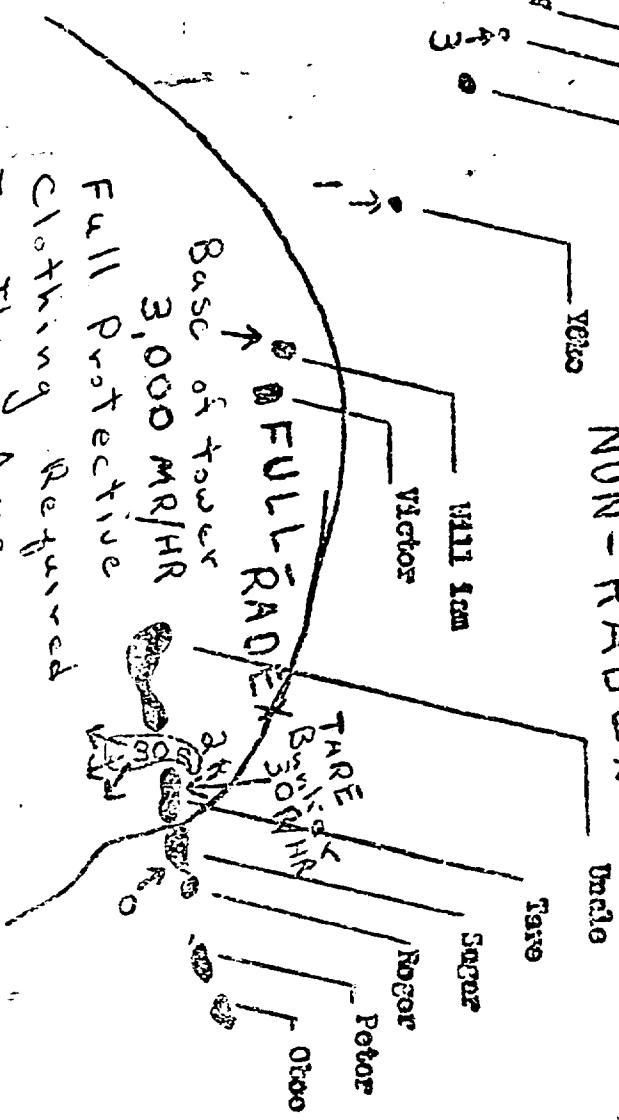
COPIED/DOE
LANL RC



BIKINI ATOLL



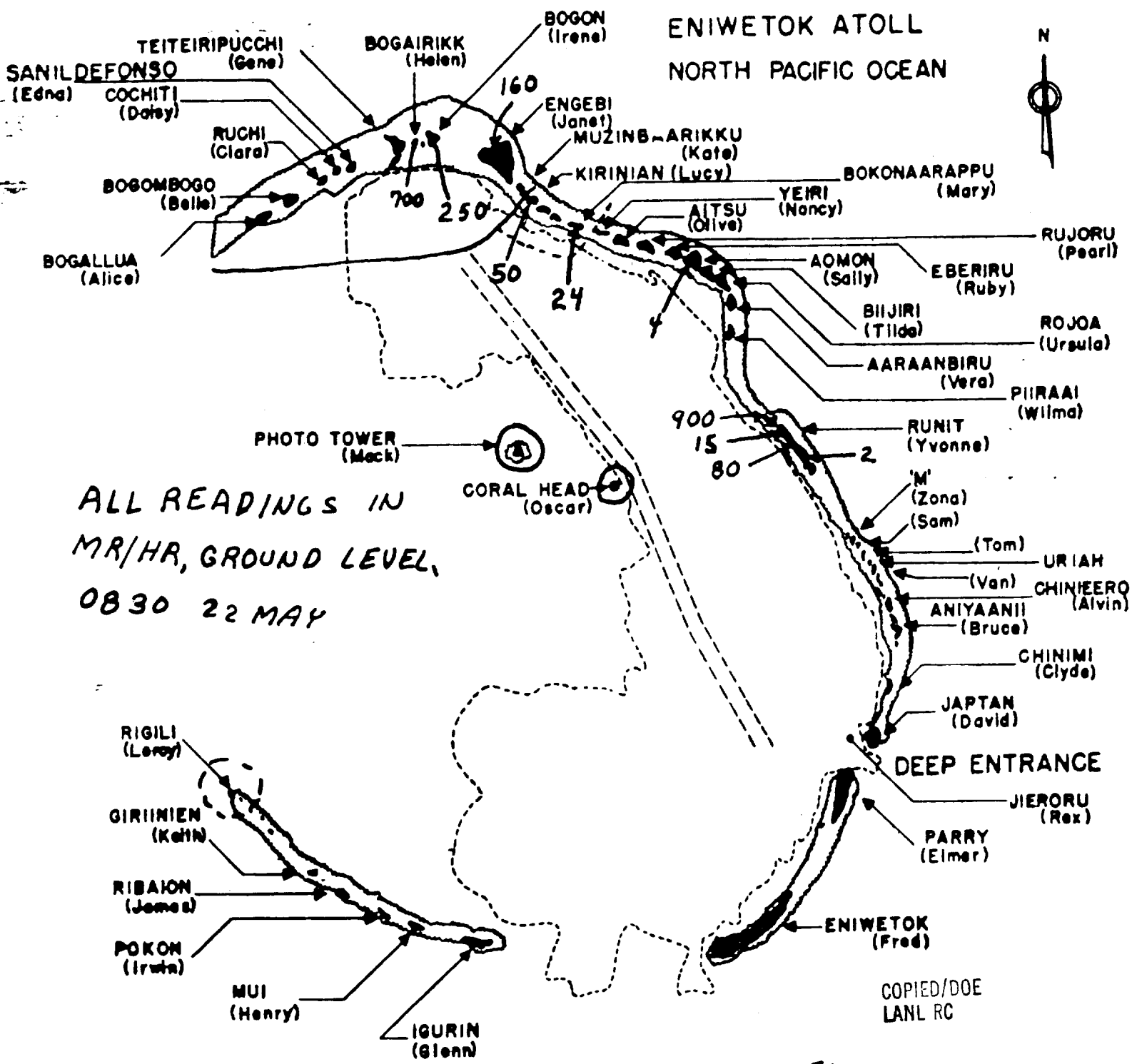
NON-RADEX



ALL Readings AT
Ground Level AS OF
1400 hrs. 22 May 58

78

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
MR/HR, GROUND LEVEL,
0830 22 MAY

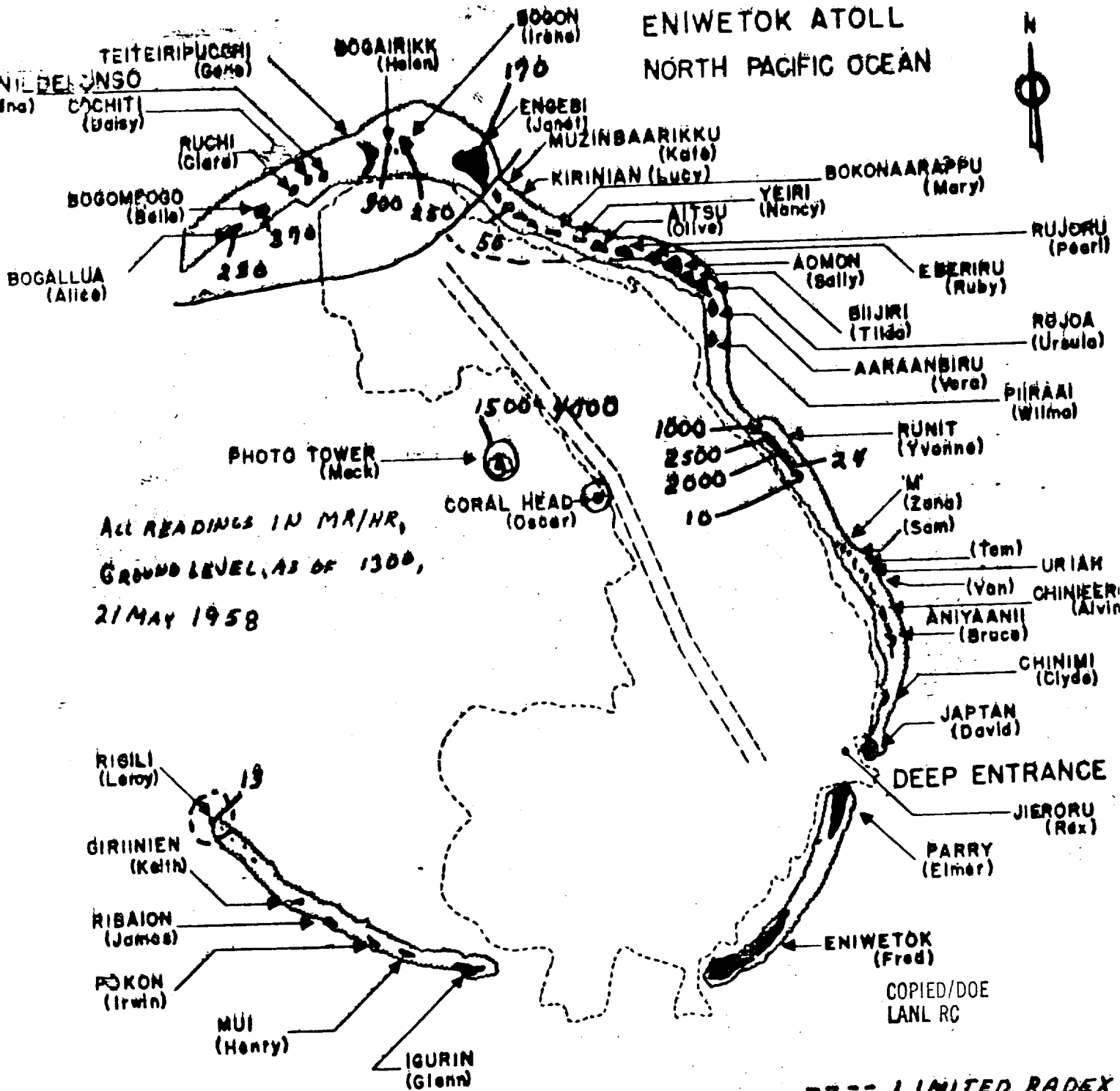
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LANL RC

NOTE: HOLLY G.Z. - 20 to 120 mr/hr

— FULL RADEX
- - - LIMITED RADEX

8

ENIWETOK ATOLL
NORTH PACIFIC OCEAN



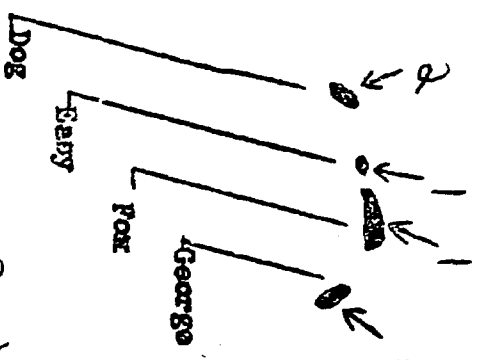
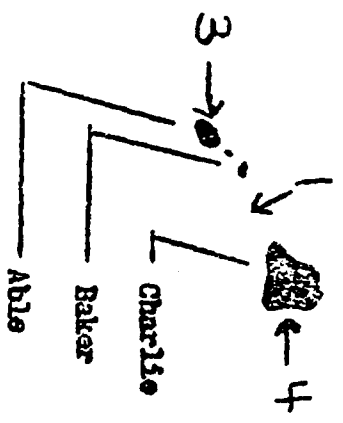
ALL READINGS IN MR/HR,
GROUND LEVEL AS OF 1300,
21 MAY 1958

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LANL RC

--- LIMITED RADEX
— FULL RADEX

NOTE: HOLLY G. 2. - 5400 MR/HR
YVONNE FULL RADEX EXCEPTS
FROM THE AIRSTAIR SOUTH.
MECK READING AS OF 1000 HRS

88

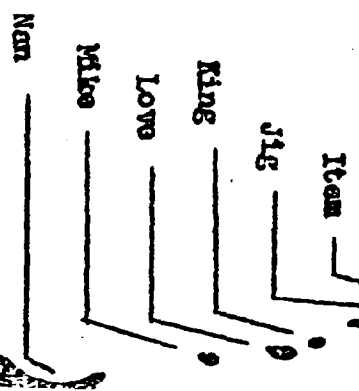
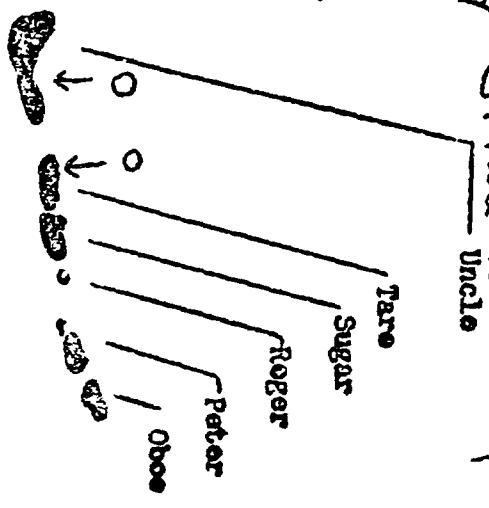
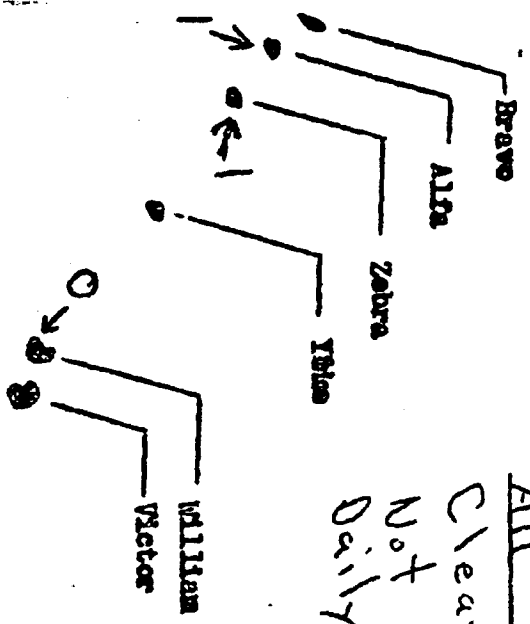


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BIKINI ATOLL

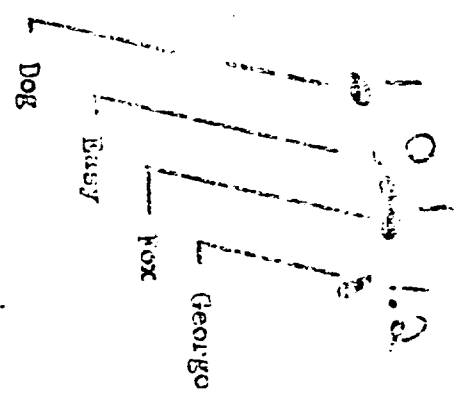
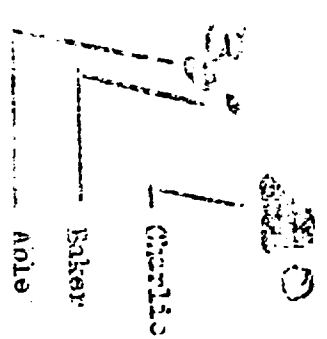


All Areas Non-Radar
Clearance Through TUB Rad-Safe
Not Required. This will be last
Daily Situation Map till Next Shift



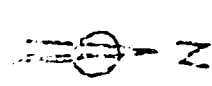
All Readings IN
MR/HR AT Ground
Level AS of 1435 hrs.
18 MAY

80

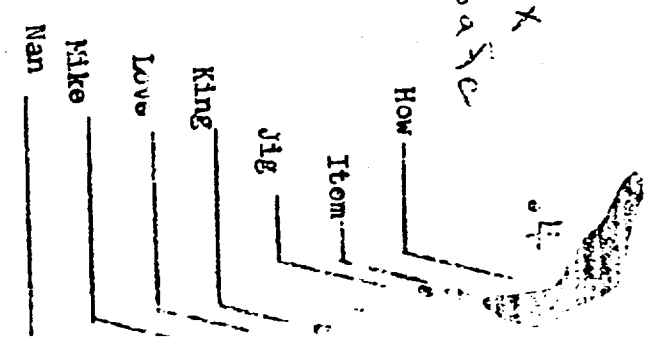
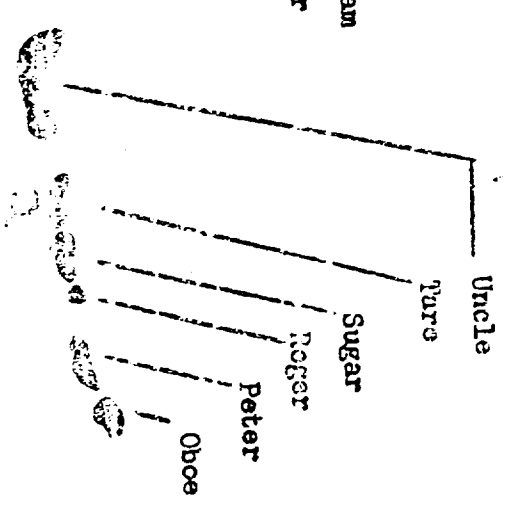
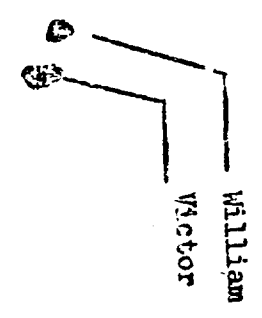
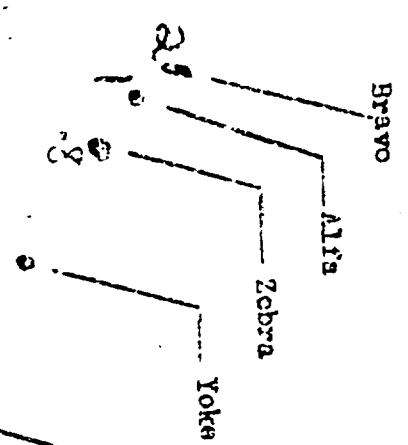


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BIRMINGHAM



All Areas Are Non-Radar
Clearance Not Required
Rad-Safe

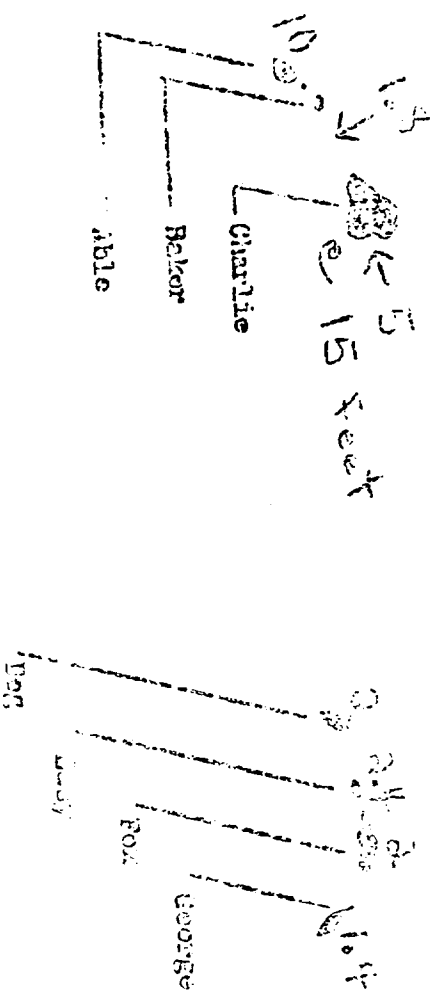
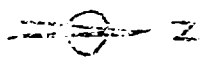


ALL Readings In
M/R at Ground Level
NS of 1650, 17 May

15

NIKINI ATOLL

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All Areas Are Non-Radiation
Clearance Through Rad-Safe

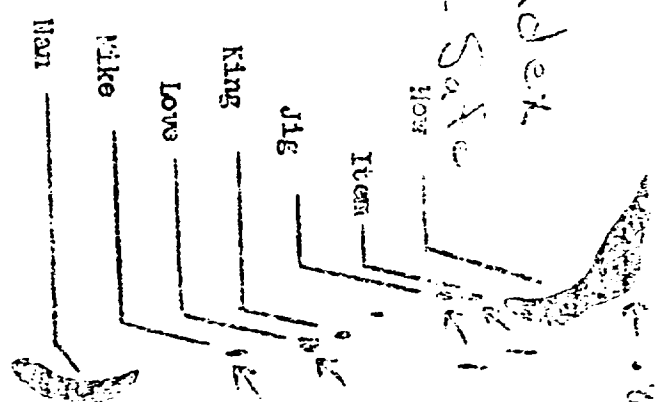
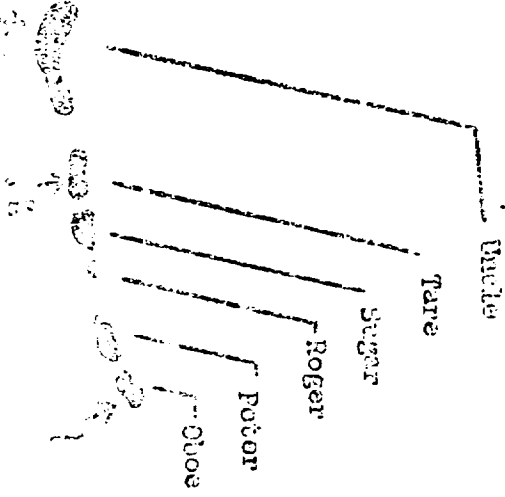
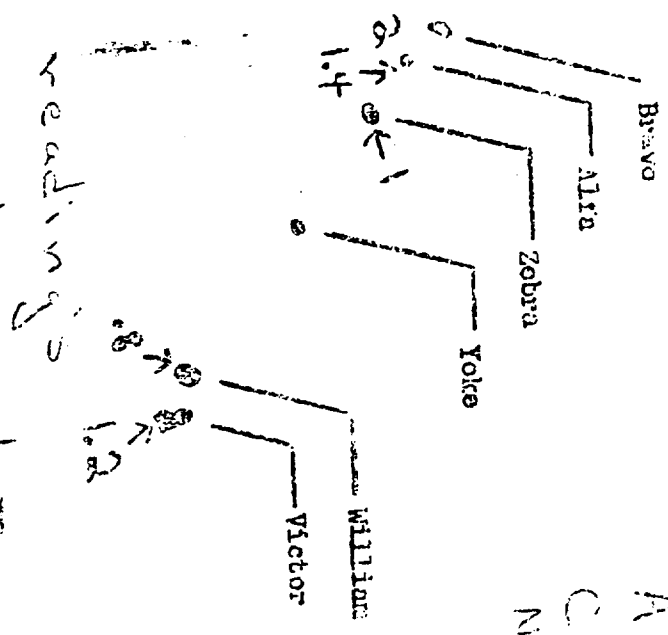
Not Required

All readings

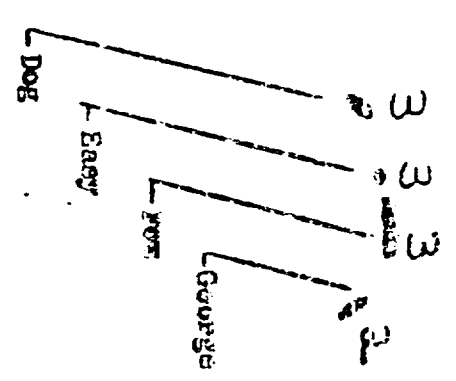
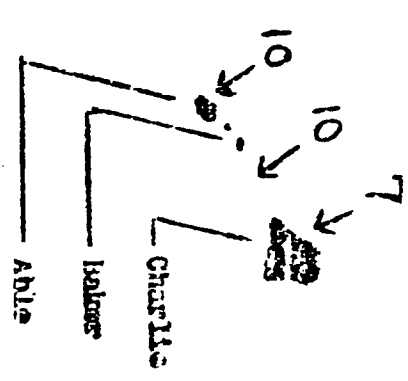
At Ground Level In

PARTRAS OF 1645 hrs

16 May 56



*Make a file for it
Three for B*

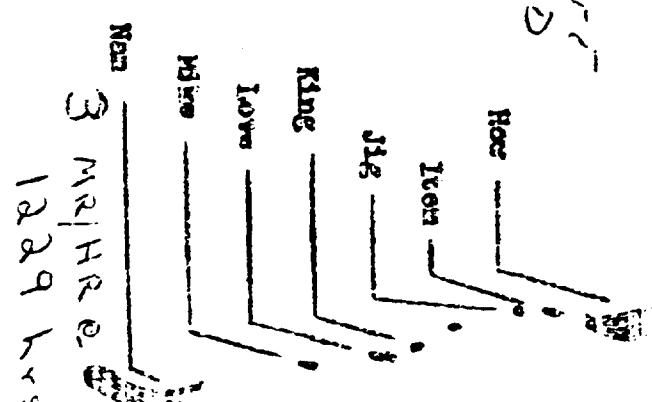
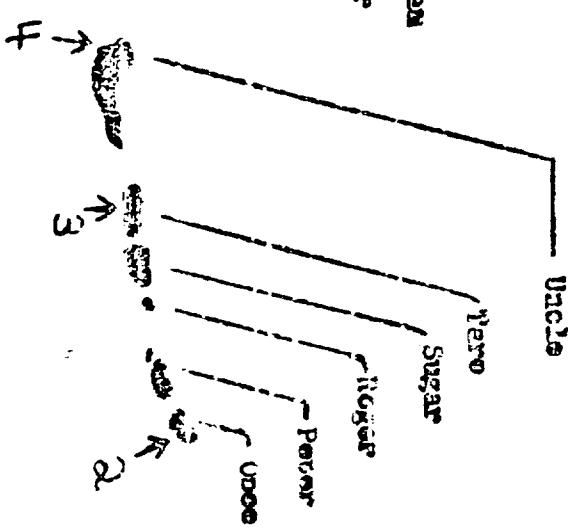
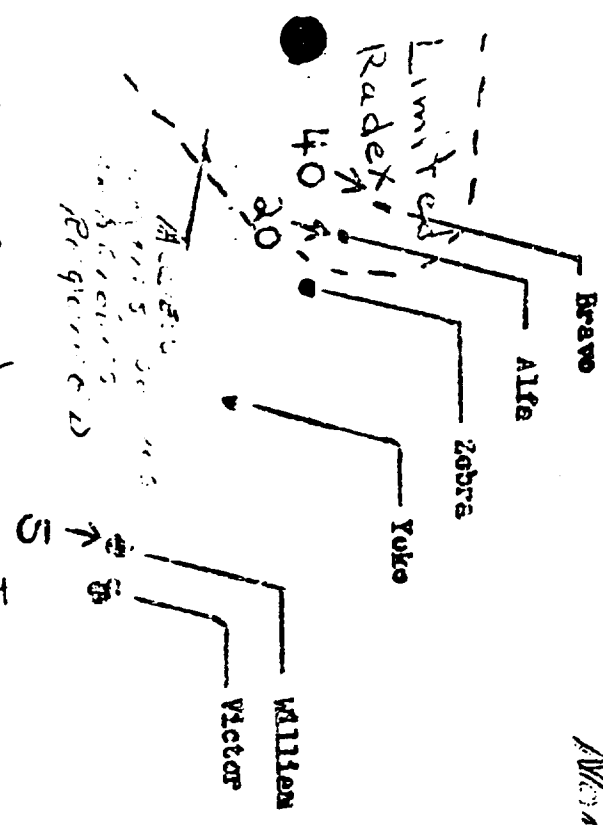


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BIKINI ATOLL



*MAN RADER - COUNTRANCE
BY THE GROUND
AT 1150 HRS*

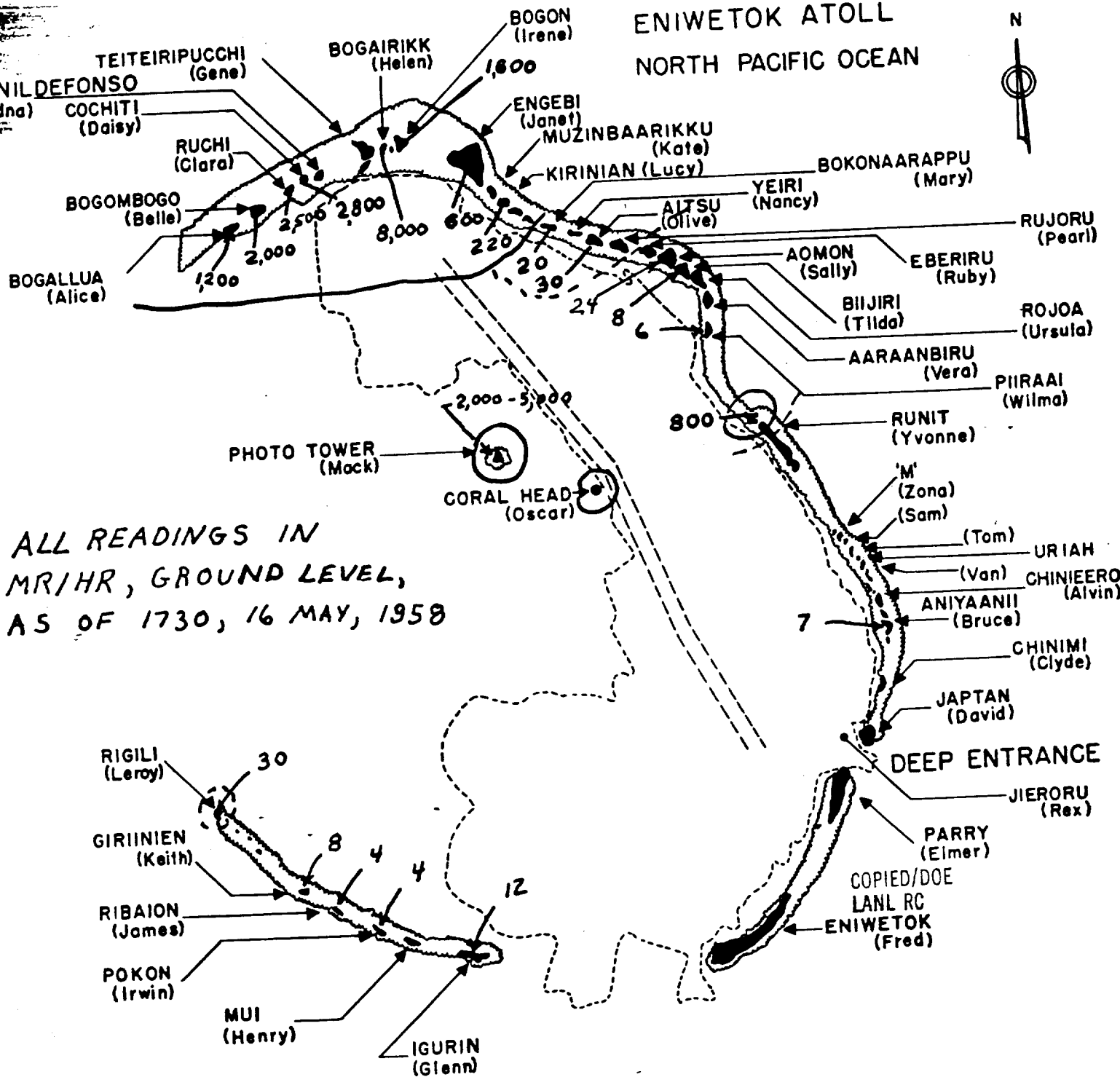


All readings in
MR/HR AT Ground
Level AS OF 1150 hrs.

--- Limited Ro
--- Full Rader

3 MR/HR @
1229 hrs

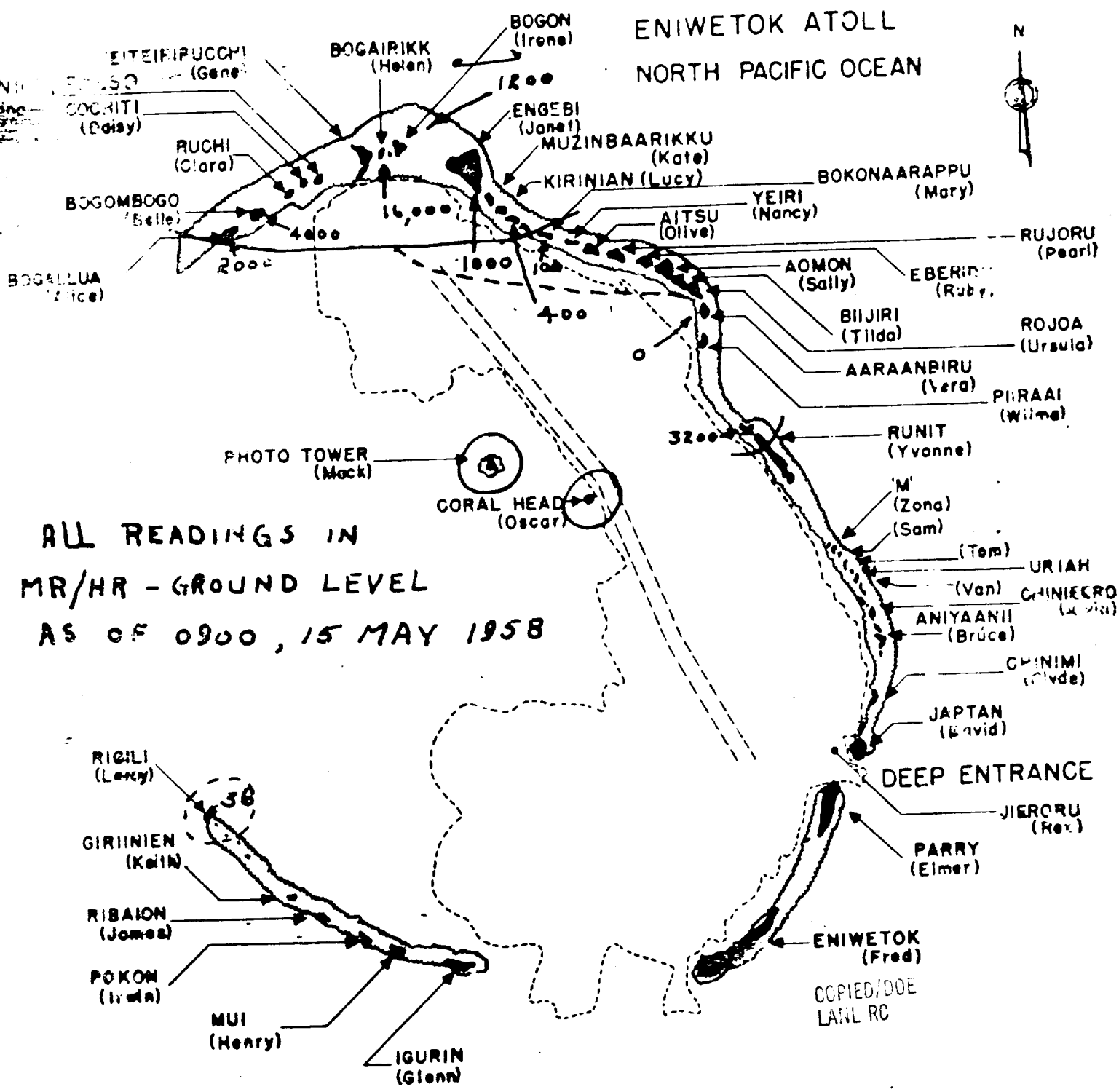
ENIWETOK ATOLL
NORTH PACIFIC OCEAN



ALL READINGS IN
M/HR, GROUND LEVEL,
AS OF 1730, 16 MAY, 1958

--- LIMITED RADEX
— FULL RADEX 94

ENIWETOK ATOLL
NORTH PACIFIC OCEAN

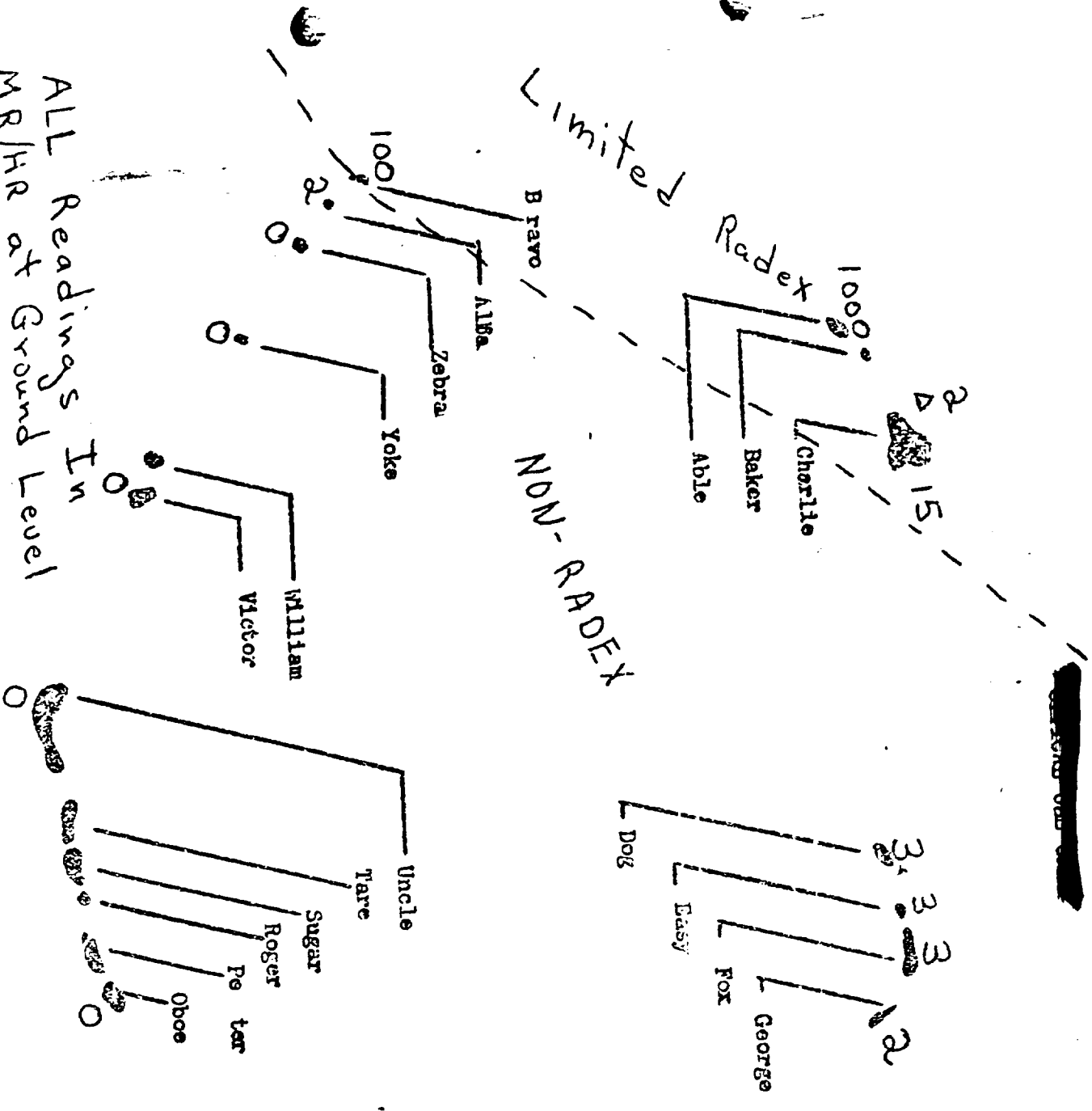


ALL READINGS IN
MR/HR - GROUND LEVEL
AS OF 0900, 15 MAY 1958

--- LIMITED RADE
— FULL RADEX

95

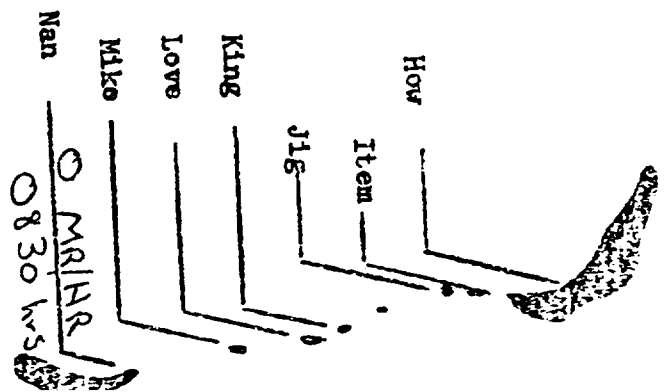
ALL Readings In
 MR/HR at Ground Level
 AS OF 0800, 14 May



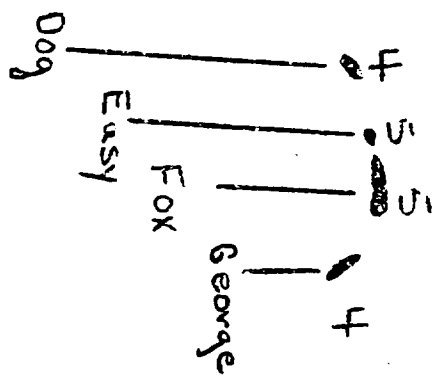
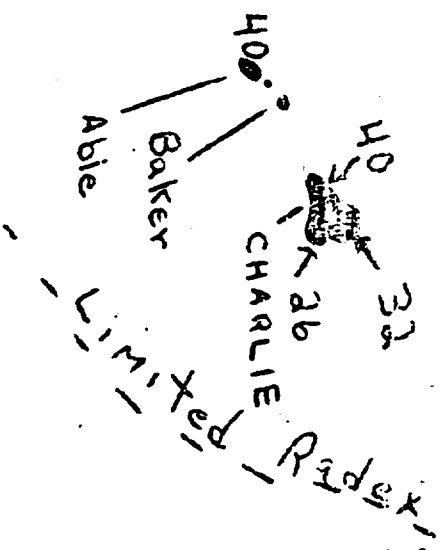
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 LANL RC

BIKINI ATOLL

--- Limited Radex
 --- Full Radex



9



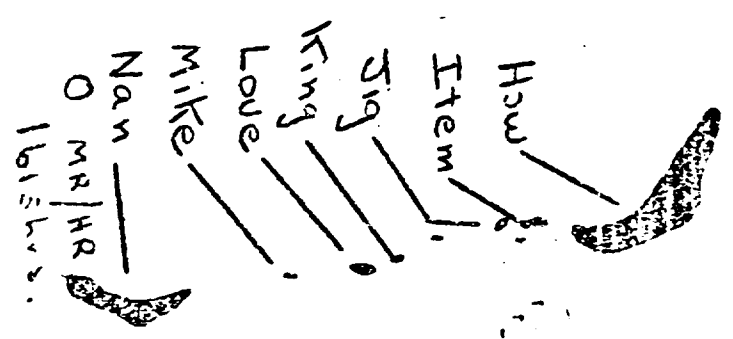
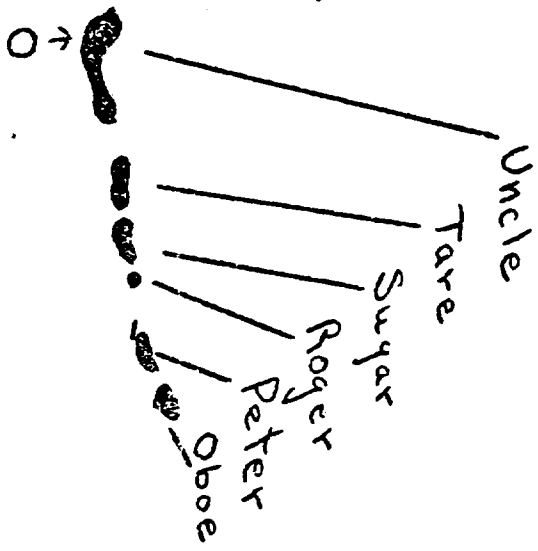
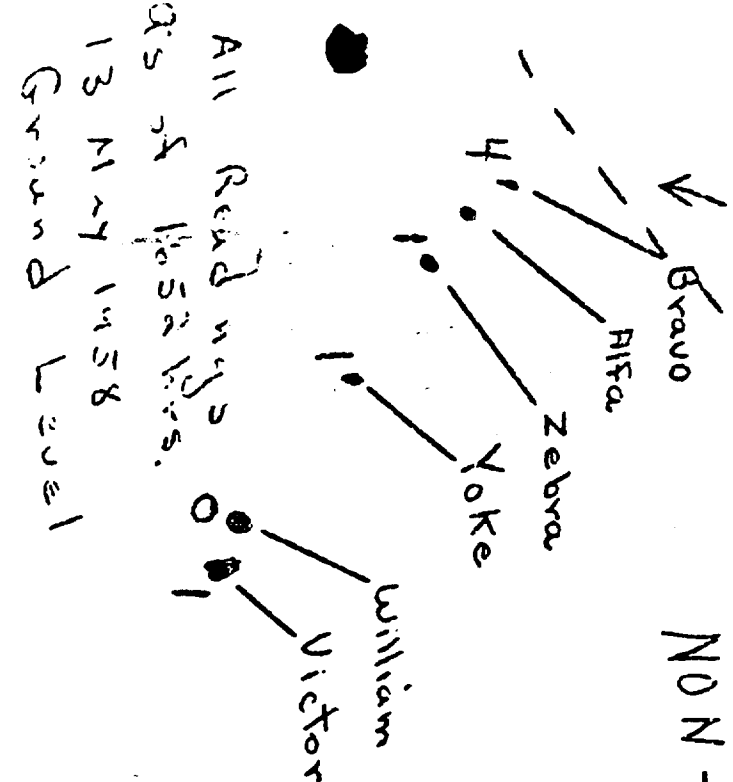
COPIED/DOE
LANL RC

BIKINI ATOLL



REEF 100-200

NON-RADEX

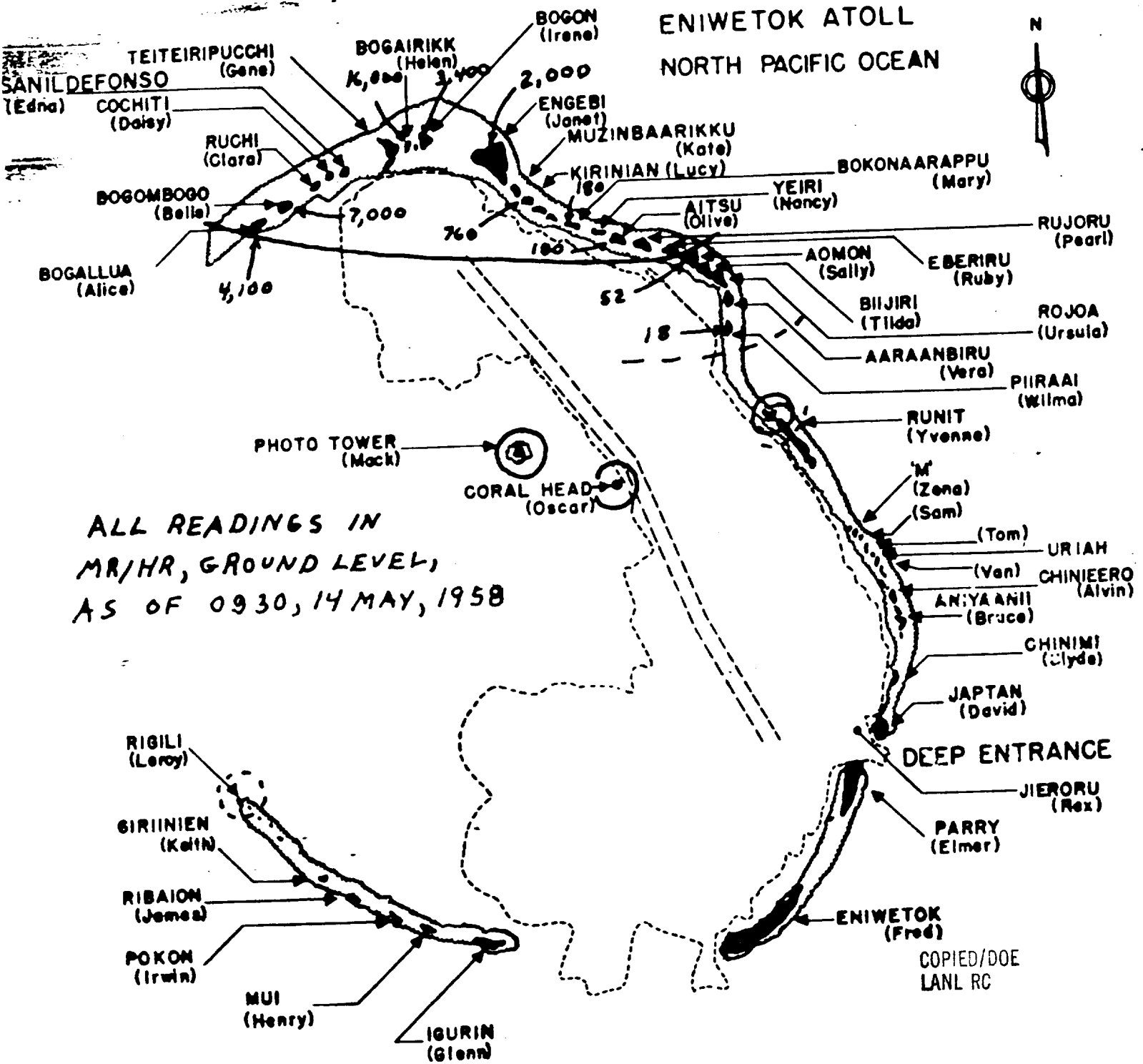


--- Limited Radex
--- Full Radex

ALL Readings In MR/HR

PS

Dr. Wm. E. Ogle
JTF-7

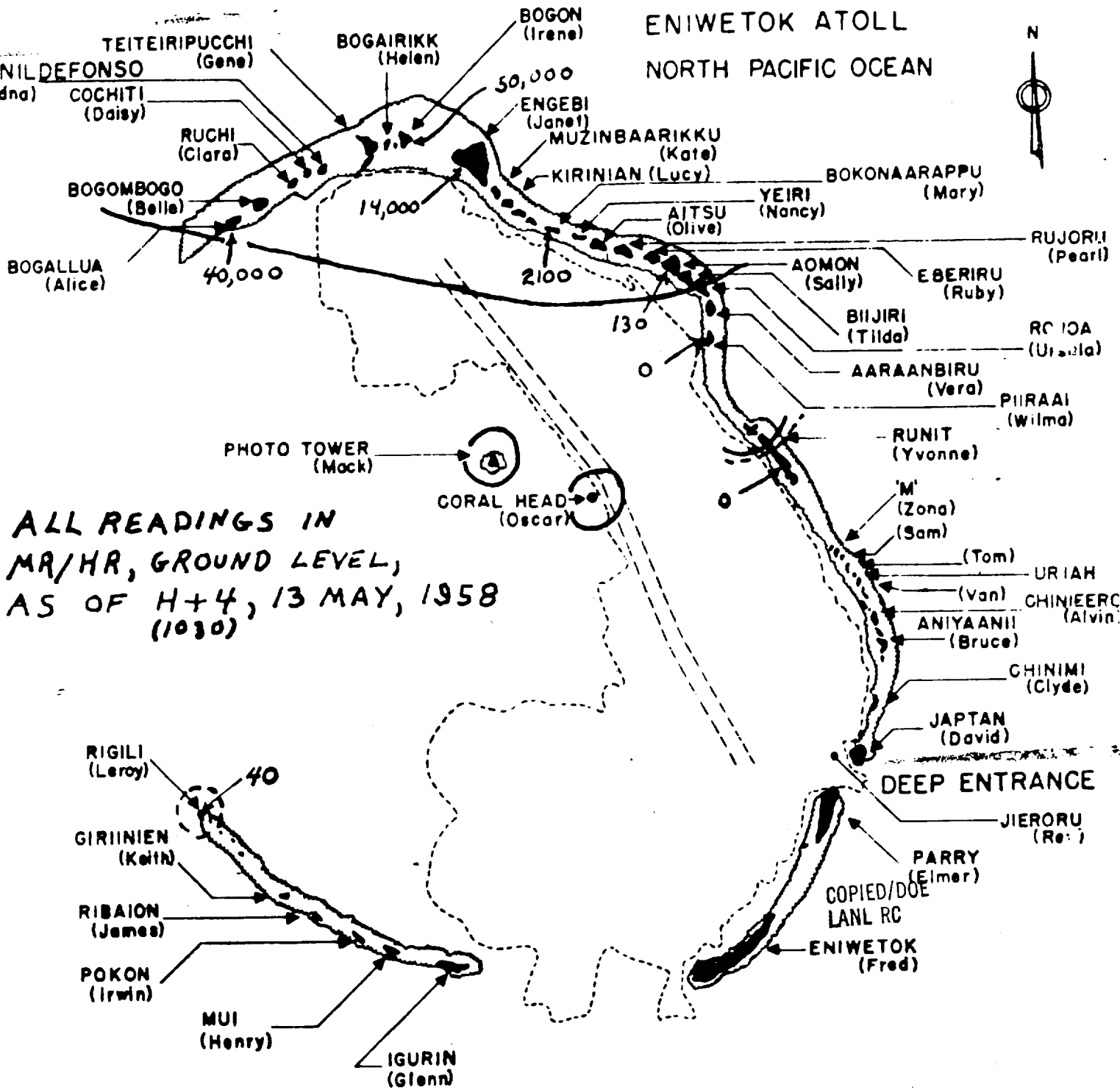


ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0930, 14 MAY, 1958

--- LIMITED RADEX

— FULL RADEX

Dr. Wm. E. Ogle
JTF - 7



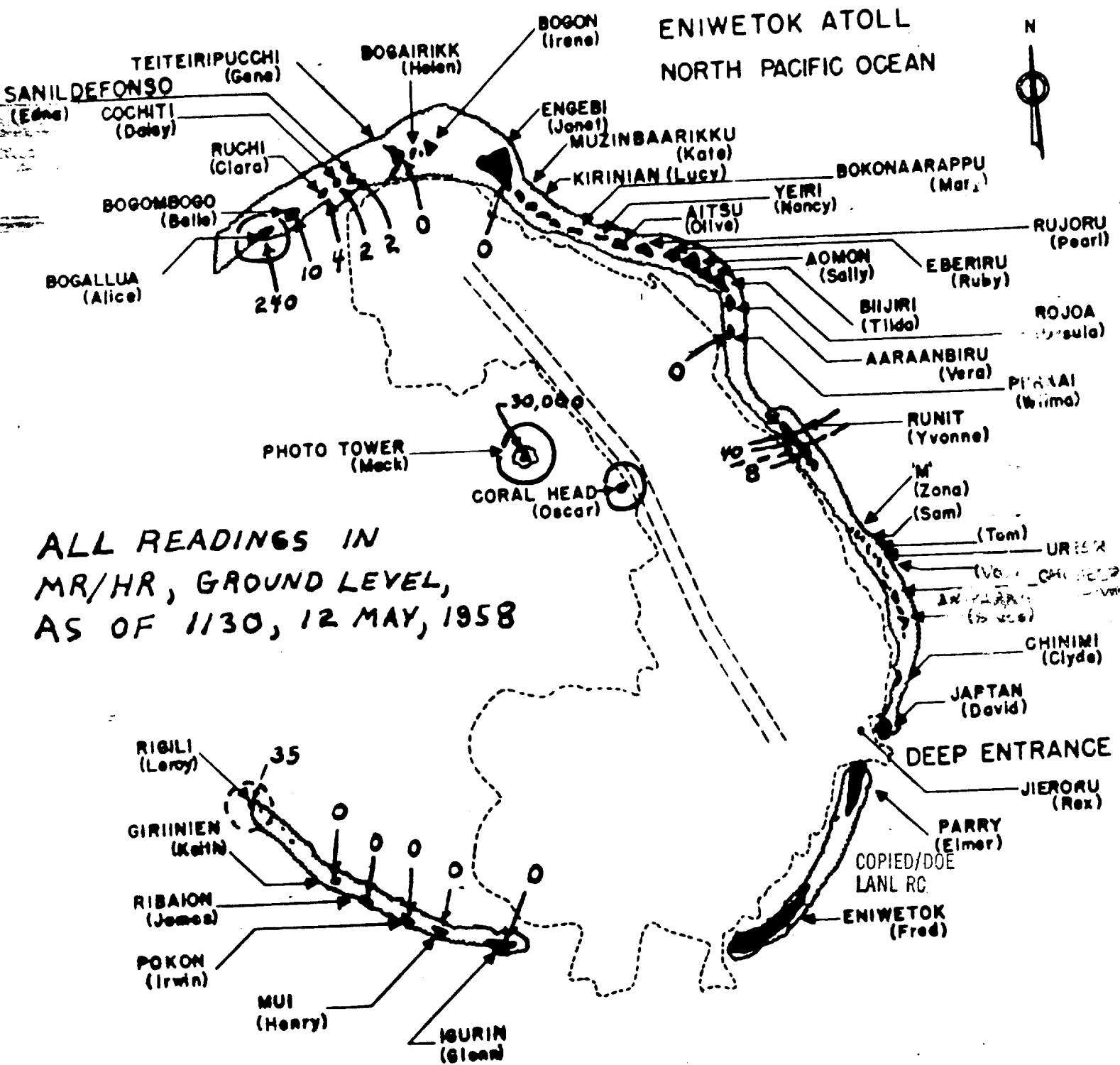
ALL READINGS IN
M/R/HR, GROUND LEVEL,
AS OF H+4, 13 MAY, 1958
(1030)

NOTE: Holly Moor - 70 m/hr at 25'
 Yellowwood Moor - 250 m/hr at 25'
 Irene Pinex Recovery Area - 5,000
 to 10,000 m/hr at 25'

--- LIMITED RAD
 — FULL RAD EX

90

Dr. Wm. E. Ogle
JTF-7

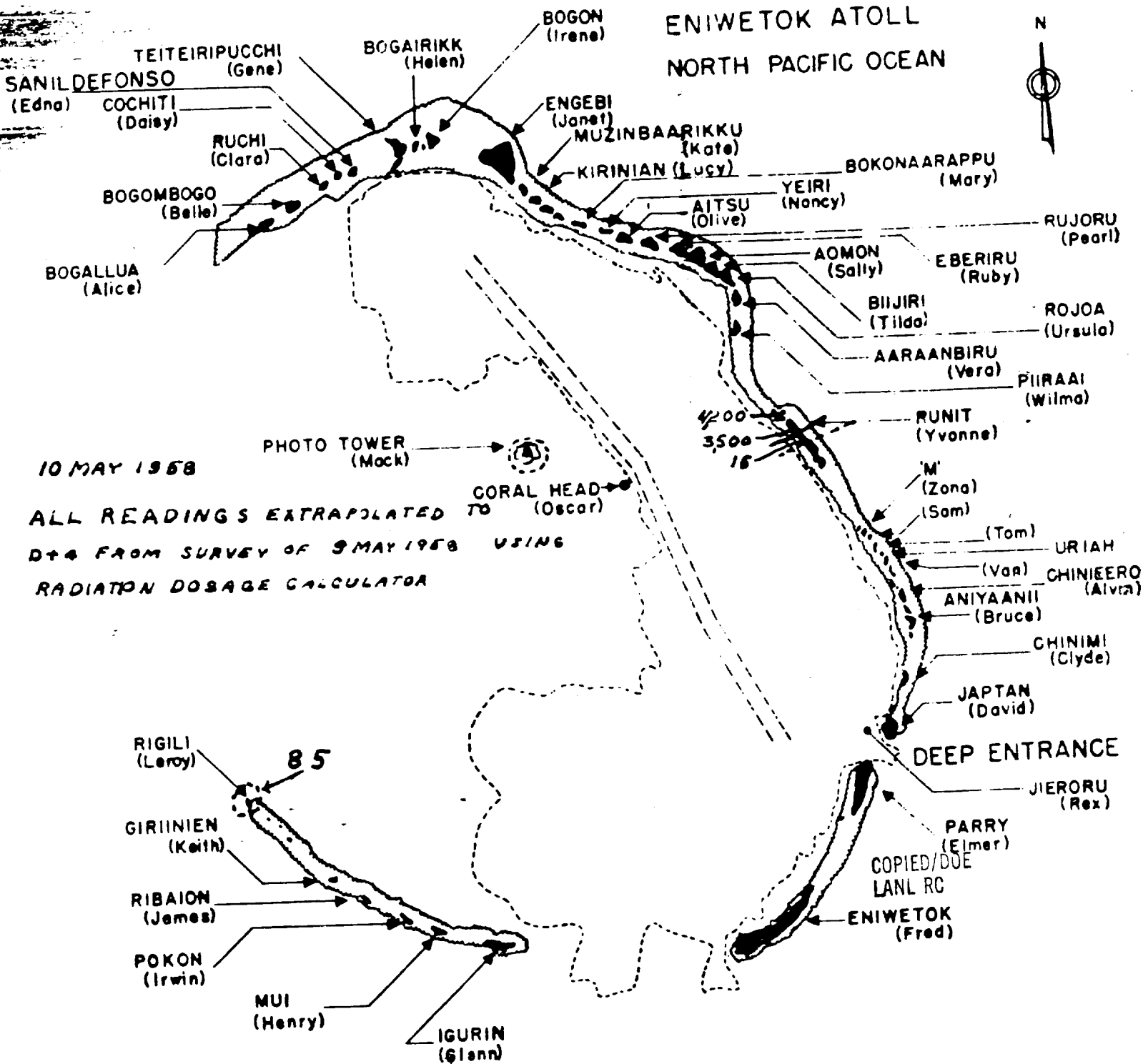


ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1130, 12 MAY, 1958

--- LIMITED RADEX
— FULL RADEX

100

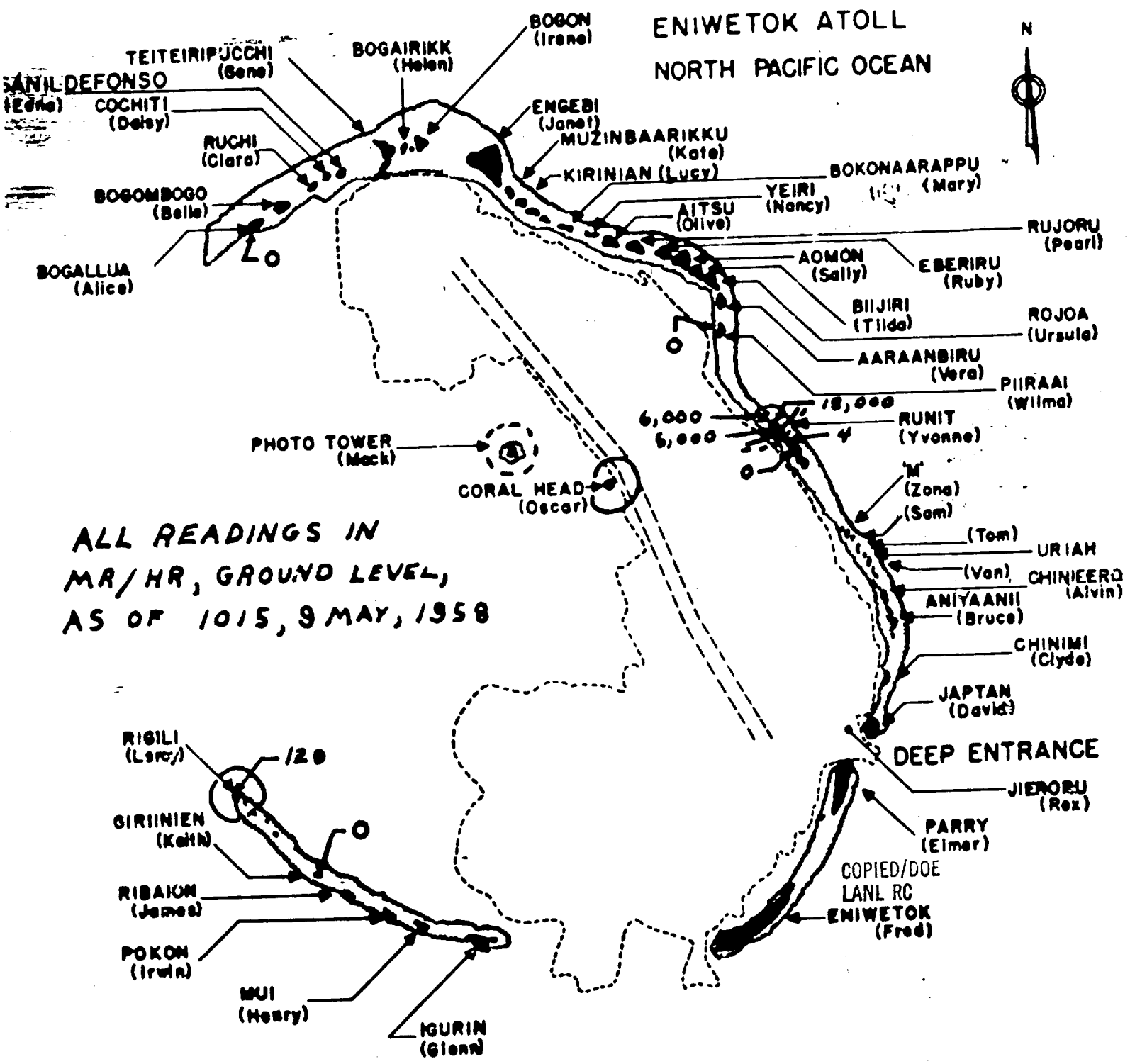
Dr. Wm. E. Ogle
JTF-7



10

Dr. Wm. E. Cogle
JTF-7

ENIWETOK ATOLL NORTH PACIFIC OCEAN



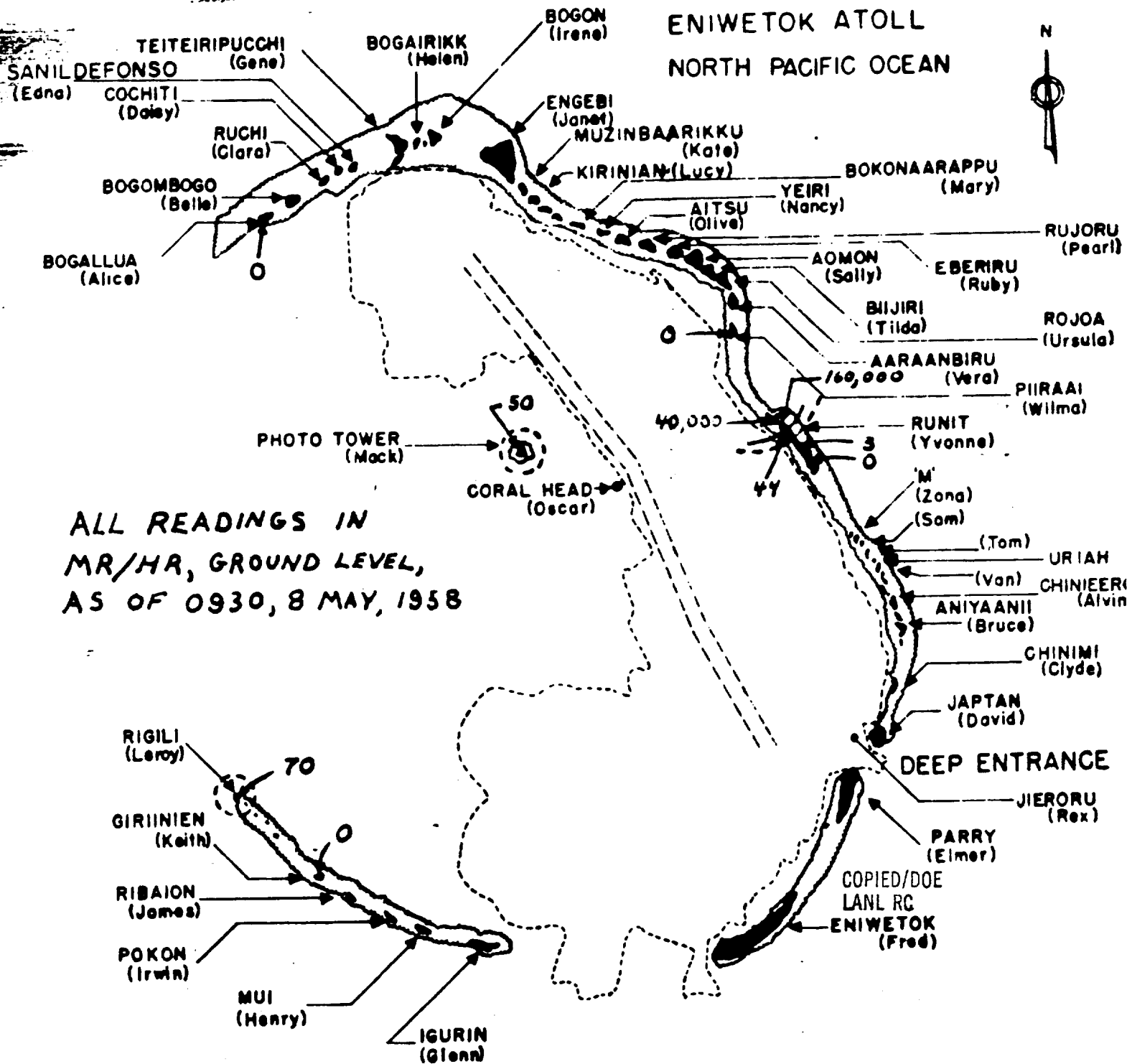
ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 1015, 9 MAY, 1958

--- LIMITED RADEX
— FULL RADEX

10

Dr. Wm. E. Cogle
JTF-7

ENIWETOK ATOLL NORTH PACIFIC OCEAN

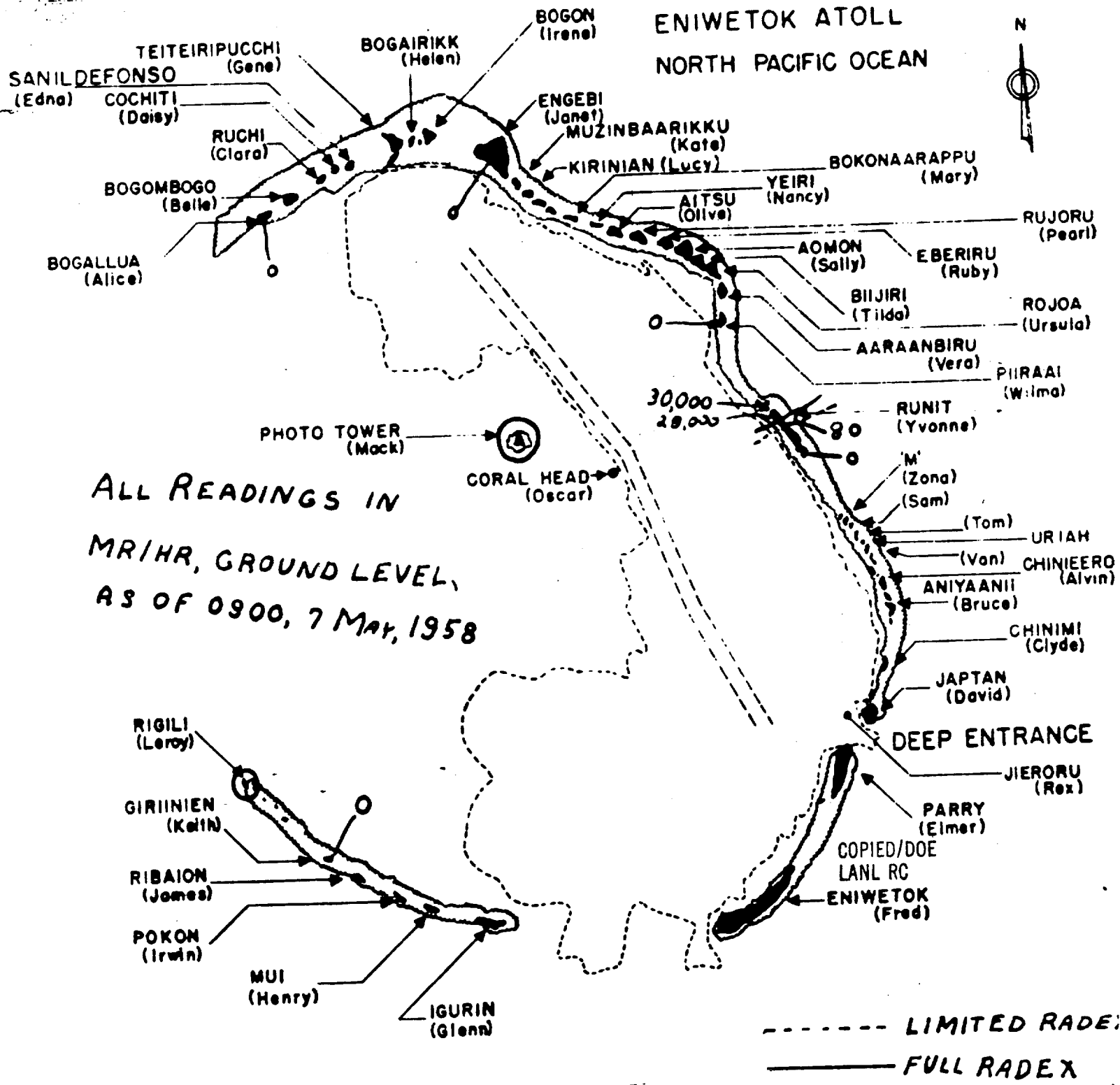


ALL READINGS IN
MR/HR, GROUND LEVEL,
AS OF 0930, 8 MAY, 1958

--- LIMITED RADEX
— FULL RADEX

10.

Dr. Wm. E. Ogle
JTF-7



ALL READINGS IN
MRIHR, GROUND LEVEL,
AS OF 0900, 7 MAY, 1958

----- LIMITED RADE
———— FULL RADEX

100