



Survey Meter Readings at Rongelap Atoll
March, 1959

Rongelap Island

Values expressed in milliroentgens per hour

Sta. No.	Area or locality	Shield:	3' above ground		1" above ground	
			closed	open	closed	open
1	(Note: Unable to find Morinda tree. Area is being cleared).		.05	.10	.03	.17
			.03		.03	
2)			.02	.05	.03	.07
)			.02		.03	
)						
3)	(Note: These areas are being cleared of all but coconut trees).		.04	.12	.05	.17
)			.03		.03	
)						
)						
4)			.03	.04	.04	.05
			.02		.03	
5	(Note: Pandanus trees at this station have been cut down. Readings taken over dead leaves next to stump).		.04	.03	.10	.20
			.03		.04	
6.	(Note: <u>Scaevola</u> and <u>Messerschmidia</u> have grown densely to heights of +3' throughout previously clear area in coconut grove).		.02	.03	.03	.07
			.01		.025	
7			.02	.02	.02	.02
			.016		.016	
8			.015	.02	.02	.02
			.01		.01	
9			.04	.20	.03	.30
			.04		.05	

- (1) For original descriptions of stations refer to "Survey Meter Readings at Rongelap Atoll, August 1958"
- (2) First reading with MX5 meter furnished and calibrated by Radsafe Eniwetok Branch USAEC.
- (3) Second reading with Scintillation survey Meter Model SM-3A, serial No. 998, AEC Cat. No. SBX-5, Nuclear Research Corp., Philadelphia, Pa. Calibrated and furnished by Brookhaven National Laboratories.

Rongelap Island (continued)

Sta. No.	Area or locality	Shield:	3' above ground		1" above ground	
			closed	open	closed	open
10			.03 .05	.10	.04 .05	.20
11			.03 .05	.10	.05 .05	.20
12			.03 .05	.15	.04 .05	.25
13	(Note: <u>Messerschmidia</u> gone. Reading taken under another <u>Messerschmidia</u> near pit 2).		.03 .04	.04	.04 .05	.10
14			.03 .05	.20	.07 .05	.40
15			.03 .04	.11	.04 .05	.30
16			.02 .04	.04	.04 .04	.05
17			.03 .04	.04	.03 .04	.06
18	(Note: No <u>Boerhavia</u> found in the area)		.04 .05	.10	.09 .05	.20
	Average of first reading		.030	.083	.044	.16
	Average of second reading		.034		.039	
In addition to previous stations	Graveled area 30' W of stake #75 near well		.02 .03	.03	.02 .035	.03
	100 ft. seaward from #75 over <u>Lepturus</u>		.03 .035	.04	.03 .04	.05
	200 ft. seaward from #75 over <u>Lepturus</u>		.03 .035	.05	.03 .045	.06

Kabelle Island

Sta. No.	Area or locality	Shield	3' above ground		1" above ground	
			Closed	open	closed	open
1			.08	.40	.10	.55
			.11		.12	
2			.10	.35	.14	.50
			.11		.11	
3			.09	.30	.13	.70
			.11		.12	
4			.14	.30	.15	.45
			.18		.19	
5			.14	.70	.19	.90
			.19		.19	
6			.12	.55	.17	1.1
			.16		.17	
7			.11	.60	.18	1.1
			.11		.12	
8			.11	.60	.30	1.5
			.11		.12	
9			.11	.45	.12	.50
			.12		.13	
10			.11	.35	.15	.60
			.10		.11	
11			.10	.35	.11	.80
			.12		.12	
12			.09	.40	.20	.90
			.11		.12	
13			.03	.05	.03	.08
			.04		.04	
14			.02	.03	.02	.05
			.022		.022	
Average of first reading			.096	.39	.14	.69
Average of second reading			.11		.12	

Eniaetok Island

Sta. No.	<u>Area or locality</u>	Shield:	3' above ground		1" above ground	
			<u>closed</u>	<u>open</u>	<u>closed</u>	<u>open</u>
1			.03 .05	.05	.03 .05	.08
2			.07 .10	.15	.15 .18	.30
3			.05 .05	.20	.05 .05	.30
4			.04 .045	.30	.15 .07	.70
5			.05 .06	.30	.08 .08	.60
6			.04 .06	.06	.04 .06	.07
7			.04 .06	.06	.04 .06	.10
8			.03 .04	.08	.05 .06	.15
9			.07 .06	.30	.15 .09	.50
10			.04 .03	.05	.04 .04	.07
11			.02 .02	.02	.02 .02	.02
Average of first reading			.044	.14	.072	.26
Average of Second reading			.052		.058	