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Kaken Lepty Keps

Engeb1 - October 5, 1948

From 1500 yards to 750 yards - 0.6 to 0.4 mr/hr. From 400 yards to 200 yards the radiation rose to a peak of about 100 mr/hr at about 1000 feet and fell to about 30 mr/hr near zero position. At zero position the level was about 60 mr/hr with the tower footings reading between 40 and 150 mr/hr depending on the amount of steel remaining. Layered excavatthe following relative activity: 10

Top	1"	lay	rer	-	100
-		to			18.
		to		-	1.5
	6"	to	7		0.65

The radiation intensity at the site of excavation was about Mg150 mr/hr.

The method of measuring the relative activity of the layered Sexcavations was as follows: A tin can 7" tall and 6" diameter was filled with the excavated material. The can was then placed Jain contact with the closed probe shield of the Victoreen Model 263 and the reading as mr/hr taken. The top layer from Engebi was too active to measure this way. It was then removed to such a distance as to give 20 mr/hr reading and the second B layer (2" to 3") substituted to obtain a ratio.

Aoman and Biijirii - October 5, 1948

Bijirii ran a radiation level of between 1 and 3 mr/hr.

Apman at about 600 feet 20 mr/hr. 300 40 mr/hr. J # 100 80 mr/hr. at zero 170 mr/hr. With the tower footings -150-200 mr/hr

Layered excavations at about 100 feet from zero with surface Inadiation at about 80 mr/hr gave the following relative activity:

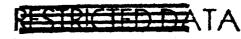
> Top 1" layer -9 mr/hr. 2" to 3" -12 mr/hr.4" to 5" -10 mr/hr. 6" to 7" -0.5 mr/hr.

October 6, 1948

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Entire island to about 700 yards from zero was completely cold (not above background). A level of about 20 mr/hr was reached at about 200 yards and rose to 150 mr/hr at about 10 feet from





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UIVLANHI to 日本 တ changed the U. 50 Classification by authority of

REPOSITORY

COLLECTION



UNCLASSIFIED the edge of the tower base. Zero position radiation level was 400 mr/hr with the tower footings giving 90 to 2000 mr/hr depending upon the amount of steel remaining.

Layered excavation about 10 feet in front of edge of tower base gave:

Top 1" 2" to 3	÷	20
2" to 3	5 ¹¹ 🛥	1.3
4" to 5		0,5
6 [#] to 7	7H 🛻	0.35

