

AEC

Yields = (2)

400251

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NOTE TO EDITORS AND CORRESPONDENTS

Attached for your information are tables of the yields (energy releases) of United States, United Kingdom and U.S.S.R. nuclear events for 1945-1958, inclusive, which were provided by the AEC to the Joint Committee on Atomic Energy of the U. S. Congress on May 5, 1959 in connection with the Committee's hearings on fallout from nuclear weapons tests.

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Attachment

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Attachment

TABLE NO. 1

UNITED STATES AND UNITED KINGDOM NUCLEAR EVENTS
(Yield in Kilotons)

<u>Year</u>	<u>Total Fission Yield</u>	<u>Total Fission Yield from Events, the Total Yield of which was 1 MT or greater</u>
1945	60	
1946	40	
1948	100	
1951	500	
1952-1954	37,000	36,000
1955	200	
1956	9,000	8,000
1957-1958	19,000	14,000

TABLE NO. 1

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TABLE NO. 2

SOVIET NUCLEAR EVENTS
(Yield in Kilotons)

<u>Inclusive</u>	<u>Total Fission Yield *</u>
1945-1951	60
1952-1954	500
1955-1956	4,000
1957-1958	21,000

* A value of 50% has been arbitrarily selected for the fission to total yield ratio for all Soviet thermonuclear tests. As indicated in the tables, 50% is about the average fission to total yield ratio for all US/UK thermonuclear tests.

TABLE NO. 2

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TABLE NO. 3

UNITED STATES, UNITED KINGDOM, AND SOVIET NUCLEAR EVENTS
(Yield in Kilotons)

Inclusive Years	FISSION YIELD *			TOTAL YIELD	
	Air Burst	Ground Surface Burst	Water Surface Burst	Air Burst	Surface Burst
1945-1951	190	550	20	190	570
1952-1954	1,000	15,000	22,000	1,000	59,000
1955-1956	5,600	1,500	6,000	11,000	17,000
1957-1958	31,000	4,400	4,600	57,000	28,000

* A value of 50% has been arbitrarily selected for the fission to total yield ratio for all Soviet thermonuclear tests. As indicated in the tables, 50% is about the average fission to total yield ratio for all US/UK thermonuclear tests.

TABLE NO. 3