

A-84-019
8-3

INTER-OFFICE MEMORANDUM

DATE May 10, 1946

TO: Lt. Col. A. L. Frolich
FROM: R. W. Henderson -- Group Z-4
SUBJECT: Destruction of Jumbo -- Trinity

322
Jumbo

Discussion with Lt. Blackburn 10 May 1946 brought out the fact that a report has been prepared by him covering the results of the firing of 8 - 500 lb. G.P. bombs in Jumbo.

Inasmuch as this office designed the vessel and conducted extensive experiments on the design using models and scaled charges it is believed to be of considerable importance that we obtain a copy of this report including prints of all photographs pertaining to it.

It is of course realized that ^{the} manner in which the bombs were fired in the vessel completely nullified the design basis but there are certain aspects of the manner of failure which are of considerable interest. During the course of our experiments we fired reduced charges in off-center geometry in the vessel which resulted in much the same type of failure even though fully scaled charges located dead center were retained by the vessel.

For this reason a copy of the subject report should be incorporated in our records.

R. W. Henderson
R. W. Henderson
Leader--Group Z-4

RWH/fem
cc - N. E. Bradbury
C. H. Dick
file

Dale Carson
per Carroll Dick
Z Division Leader

VERIFIED UNCLASSIFIED
PUBLICLY RELEASABLE
LANL Classification Group
MP 1/24/98

1375
12262
1776