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Camel organization

FINAL DETERMINATION
UNCLASSIFIED
L. M. Redman
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June , 1945

CLASSIFICATION CANCELLED
PER DOC REVIEW JAN. 1973

PUBLICLY RELEASABLE
LANL Classification Group
5-4-95

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r. . F. [illegible]
. . Box 1 6[illegible]
Santa Fe, [illegible] e 1[illegible]

Dear Sir:

In accordance with your recent teletyped request, the following is a brief description of the various sections of CIT and CTS and their responsibilities in connection with model tests.

Section 1. Projectile Group. The projectile group consists essentially of the personnel concerned with [illegible] the Pellog Laboratory, including Dr. J. Lauritsen, C. [illegible]ny[illegible]er, H. [illegible] Greene, Jr., [illegible] B. Gentry, D. S. Collins, and C. [illegible]. It has responsibility for correlating arrangements for all tests between CIT, Inyokern, and "Y", and for supplying all the inert parts required for tests. Parts are, in general, made by other groups, but the assignment of parts to particular tests and the correlation of shipments to Inyokern are in the hands of the Projectile Group. It also handles the design of the aluminum sphere and its associated explosive parts (blocks, pits, detonators, nose face parts, etc.). The placement of production orders and initiating shipments thereon is done by a subsection of this group under Miss M. L. Greene.

Section 1. Explosives Research Group. The group at Eaton Canyon directed by Dr. F. E. Roach was formerly known from rocket days as the Ballistics Research Group. It has the responsibility of testing detonators and other explosive parts and transportation of all explosives between CIT and Inyokern. Areas CTA, CT1, CT2, and CT3 at Inyokern, where all explosives work except full-scale detonations with metal parts is carried out, are supervised by this group.

Section 7. Section 7 has responsibility for the design, engineering, and supply of all the major Fat Man components, including ellipsoids, tails, switches, cables and electronic equipment. It also has complete cognizance of the Pumpkin design program. Aluminum spheres are manufactured by this group, although the design is in the hands of the Projectile Group. Included in Section 7 are Dr. F. C. Lindvall, George Downs, W. H. Saylor, R. W. Ager, and others.

Section 2. Section 2 is the Telemetering Section under the direction of Dr. C. D. Anderson. It designs and supplies special informers and other radio equipment. Personnel includes C. H. Wilts, [illegible]. Leighton, B. [illegible] Locanthi, and others.

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NOTS Laboratory. The Laboratory handles the [illegible] of both [illegible] for tests, [illegible] weights, moments of inertia, [illegible] the unit to the site of the test or take-off. [illegible] assembly of H. [illegible] bombs. Full-scale ground [illegible] steel parts, which are conducted only on large [illegible], are under the jurisdiction of the Laboratory. It also [illegible] supplies informers for measuring fuze [illegible] and other missiles on all [illegible]. It also [illegible] units and returns the [illegible] to [illegible]. [illegible] include Dr. [illegible] Allis, B. [illegible], [illegible].

NOTS Experimental [illegible]. This [illegible] handles the coordination with [illegible]-47 and other military [illegible] ments, makes the actual [illegible] of [illegible], obtains the operational reports of all [illegible], [illegible] responsibility for recovery of units. [illegible] operations involving aircraft are under the jurisdiction of this [illegible]. Personnel include Comdr. J. T. Hayward, [illegible] and Lt. H. W. Walther.

Section 3 and NOTS Photographic Measurements Unit. Ground photography and its measurements is handled cooperatively by CIT, Section 3, under Dr. I. S. Bowen and the NOTS Photographic Measurements Unit under Dr. N. Renzetti. Final responsibility and authority rests with Dr. Bowen. Data available from ground photography include impact velocity, impact direction and yaw, and rate of development of detonation flame on ground detonations.

Section 2 and Navy Photographic Laboratory. These two groups collaborate on making measurements requiring airborne photography, such as yaw and oscillation immediately after leaving the aircraft. C. H. Wilts is in charge of these measurements for CIT and Lt. W. C. Hoch for NOTS.

Theoretical Group. Dr. L. Blitzer's group makes the analysis of the ballistic data obtained in conjunction with Dr. Shapiro's group at "Y."

It is hoped that the foregoing description will be of assistance to you in planning of tests at Inyokern. I shall be glad to furnish any additional information which you may require.

Very truly yours,

Conway [illegible] Snyder
Assistant Group Supervisor
OSRD Project, CIT

cc: E. C. Watson
B.M. Norton
W. A. Fowler
C. C. Lauritsen
Comdr. J. T. Hayward
J. R. Oppenheimer
E. M. McMillan

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