[redacted]

UNCLASSIFIED

AUG 30 1963

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW

1st Review Date: 7/1/98	Determination (Circle Number):
Authority: ADC ADD	1. Classification Retained
Name: R B Cramer	2. Classification Changed to: unck
2nd Review Date: 7/6/98	3. Contains No DOE Classified Information
Authority: ADD	4. Coordinate With:
Name: W Layne	5. Contains UCAI?
	6. Comments: DECLASSIFY

File: TX-54, 3-2
T-19755
Completed 7-31-63

MR. W. E. TREIBEL - 1523 (8 copies)
Attn: J. A. Anderson

Re: Salt Fog Environment of the Bare B54-0 (SADM) Unit 3 of the CTP and an Empty H911 Container

PROGRAM 05480 | CATEGORY 30519 | ORG. 210 | DATE 63 63

Object of Test

The object of this test was to subject the bare B54-0 (SADM) Unit 3, Serial No. 169, and an empty H911 container to the second environment (salt fog) of the Confirmation Test Program (CTP).

Authorization for Test

This test was requested by Division 1523 in an Environmental Test Order received 7-8-63. Mr. J. A. Anderson was the consultant. The material for test was received 7-26-63.

Summary

The bare B54-0 (SADM) Unit 3 of the CTP and an empty H911 container were subjected to a salt fog environment.

There was no indication of any damage to the H911 or B54-0 resulting from the environment.

Functional Measurements and Methods

The chamber temperature was sensed during the salt fog environment using a chromel-alumel thermocouple attached to the cushioning material of the H911 (see Figure 1) and recorded on a Brown Recorder.

Figure 1 shows the location of the thermocouple on the cushioning material of the H911 container for the environment.

The external arming mechanism and combination lock of the MC1466 lock secured cover (see Figure 2) and the setting mechanism of the MC1321 interval timer were functionally tested initially and following completion of the environment.

RECEIVED
AUG 30 1963
CENTRAL RECORD FILE

UNCLASSIFIED

CENTRAL RECORD FILE
ACCOUNTABILITY CARD R
FILE No. TX-54 3-2

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW
DOWNGRADING OR DECLASSIFICATION STAMP

CLASSIFICATION CHANGED TO: U	AUTHORITY: W C Layne
Emelda Selph 7/15/98	RECORD ID: 98SN2805
PERSON CHANGING MARKING & DATE	
W C Layne 7/16/98	DATED: 7/6/98
PERSON VERIFYING MARKING & DATE	

[redacted]

[redacted]

UNCLASSIFIED

Procedure and Results

Figure 2 shows the bare B54-0 (SADM) Unit 3 of the CTP and the empty H911 container which were subjected to a salt fog environment as follows:

Initially the SADM and H911 were visually inspected and the SADM functionally tested with satisfactory results. The bare SADM and empty H911 were then placed in the Salt Fog Chamber (EC-61), see Figure 2, and subjected to a 50-hour salt fog environment. This environment was performed in general accordance with MIL-E-5272C, Section 4.6, using a wet dense fog generated by the atomization of 20% water solution of sodium chloride. Following completion of the environment, the B54-0 and H911 were visually inspected and the B54-0 functionally tested with satisfactory results. The salt deposits on the B54-0 (see Figure 3) were then removed using available tap water.

J. M. Carmichael

J. M. CARMICHAEL - 7331-1

R P May

Test Project Engineer: R. P. MAY - 7331-1

Bill Johnson

Approved by: B. JOHNSON - 7331-1

JMC:7331-1:dc

Encs: Figs. 1-3

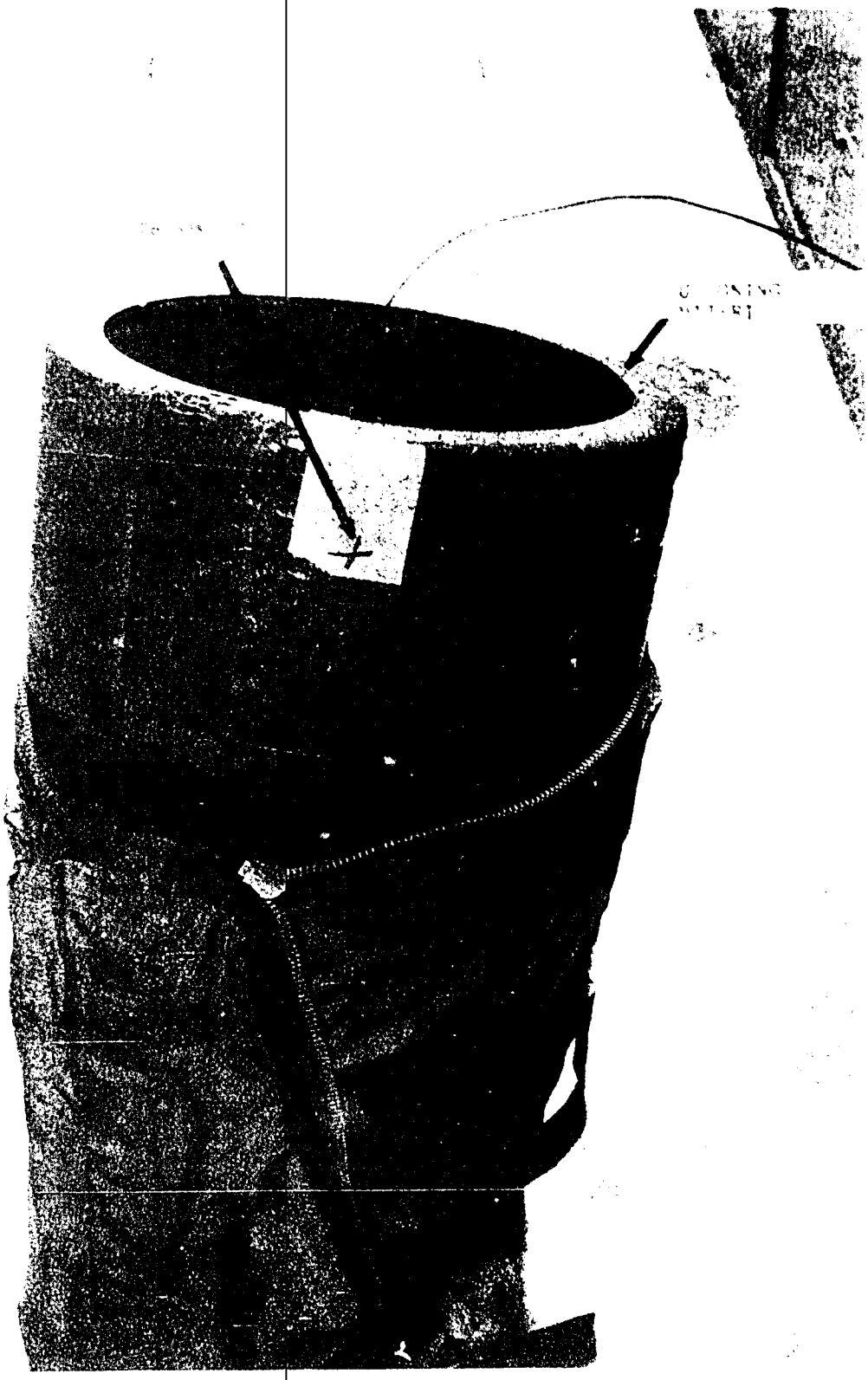
Copy to:
J. Aragon, GMK 3, LASL
L. C. Korpedahl, W 1, LASL
J. P. Ford, 1321
C. S. Williams, Jr., 1442
R. T. Othmer, 154[illegible]
P. Syroid, 1555
D. S. Bliss, 23[illegible]
H. H. Copeland, 7[illegible]
C. L. Johnson, 75[illegible]
Central Record File, 3[illegible]

UNCLASSIFIED

[redacted]

UNCLASSIFIED

[redacted]



DE3-9212

CRD

[redacted]

UNCLASSIFIED

[redacted] UNCLASSIFIED

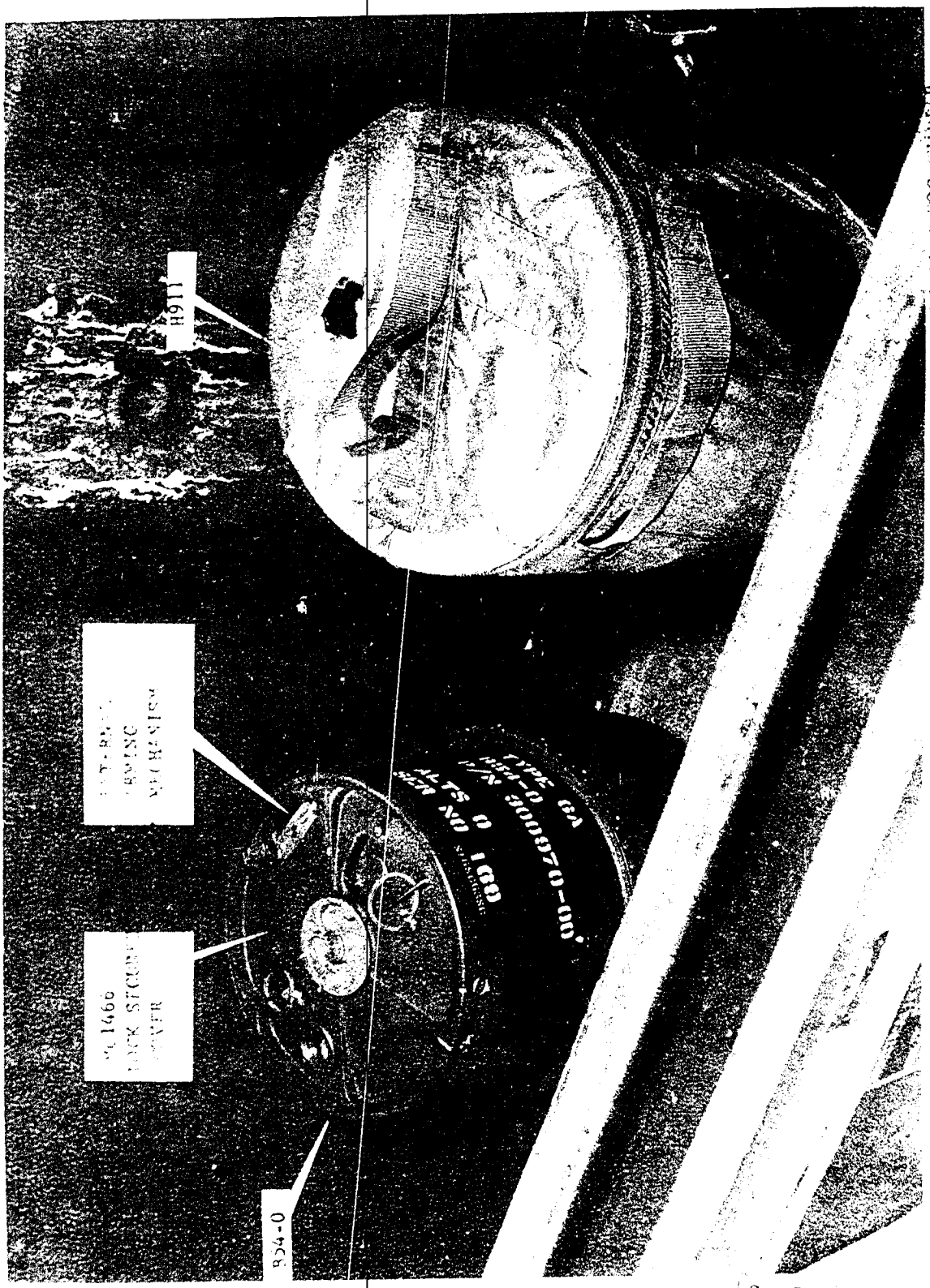
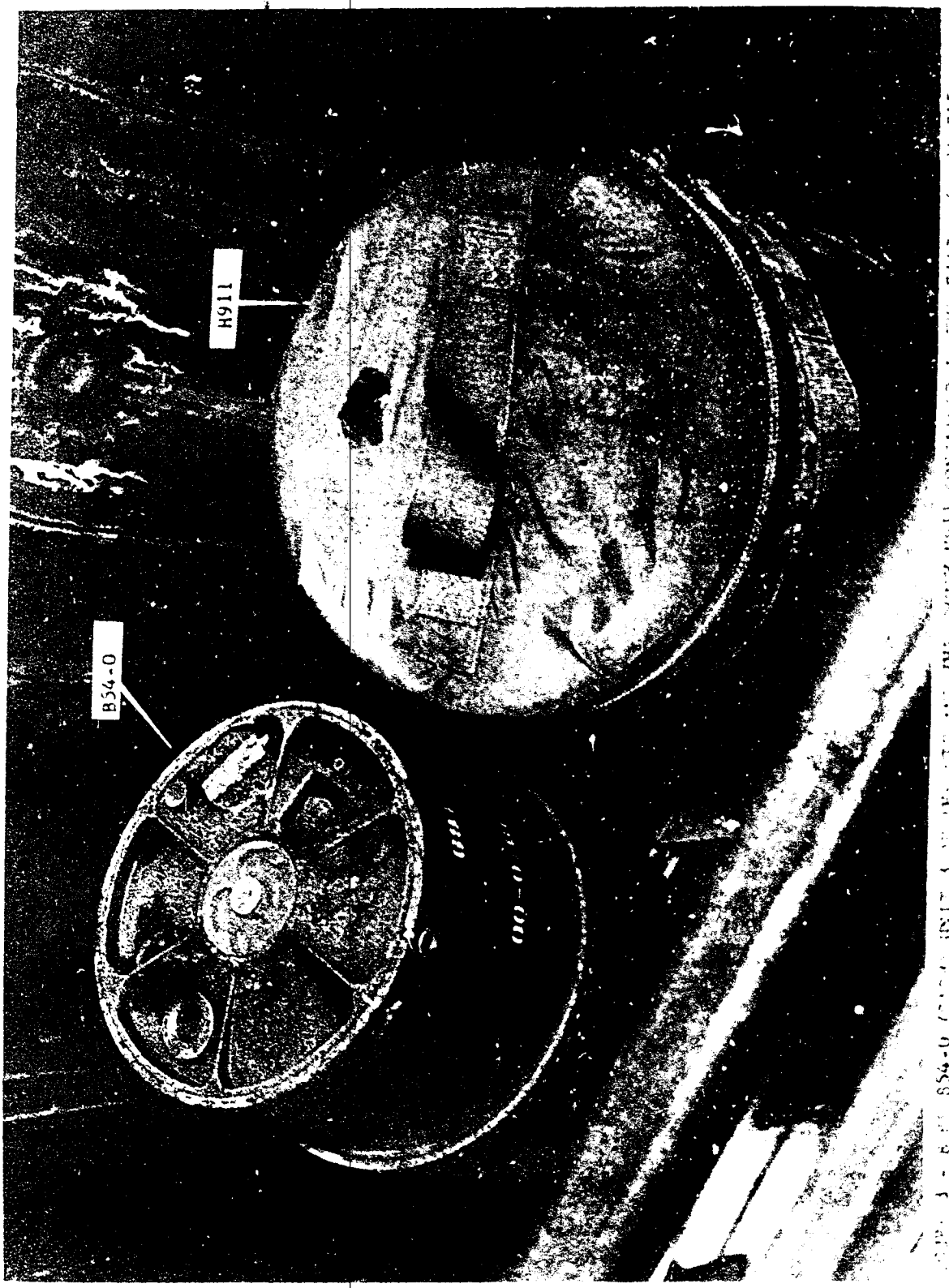


FIGURE 2 - BERT 854-0 (SAMPLE UNIT 3 OF THE ... AND THE ... H911 CONTAINER IN THE ... FOG CHAMBER
SEE THE SAFE DOC ANALOGUE

T-19755

06.3-9219
CRD

UNCLASSIFIED [redacted]


B34-0
116H