[redacted]

0702

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
1st Review Date: 9/7/98	Determination (Circle Numbers):
Authority: ADC OS ADD	1. Classification Retained
Name: R. Cramer	2. Classification Changed to: U
2nd Review Date: 9/24/98	3. Contains No DOE Classified Information
Authority: ADD	4. Coordinate With:
Name: W Layne	5. Contains UCAI? no
	6. Comments: Declassify

JAN 8 1960

XW-40, 3-2
Project No. T-16109
Case No. 787.00
Ref. Sym: 1613(131)

UNCLASSIFIED

TO: DISTRIBUTION

Re: Centrifuge Test of the XW-40 with Corvus Mounts

Project No. T-16236 by H. W. Nunez, describes the pre-centrifuge tests performed on the Corvus mounts and the jig used for this centrifuge test.

A centrifuge test was conducted to determine the structural adequacy of the XW-40 warhead with Corvus mounts. Six runs were made using the setups shown in Figs. 1 thru 6.

The XW-40 warhead with Corvus mounts was subjected to 14.37 g for one minute in both directions along the longitudinal, vertical, and lateral axes of the XW-40 warhead. These axes are the normal flight orientations of the Corvus. The Stockpile-to-Target sequence for the XW-40 specifies ± 11.5 g in all three axes as the maximum usage requirements.

There was no structural damage to the XW-40 or Corvus mounts as a result of this test.

D. K. BUCHANAN - 1615-2

RECEIVED

1613 Project Engineer: R. F. HARLAN - 1613-3

JAN 15 1960

Approved by: R. S. HOOPER - 1613-3

CENTRAL RECORD FILE

DKB:1615-2:ec

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CENTRAL RECORD FILE
FILE No. XW-40
3-2

INVENTORIED
SEP 14 1965
3428-1

INVENTORIED
AUG 6 '64
3427-1

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW DOWNGRADING OR DECLASSIFICATION STAMP	
CLASSIFICATION CHANGED TO: U	AUTHORITY: W. C. Layne
Emelda Selph 9/28/98	RECORD ID: 98SN4457
PERSON CHANGING MARKING & DATE	
WC Layne 9/28/98	DATED: 9/14/98
PERSON VERIFYING MARKING & DATE	

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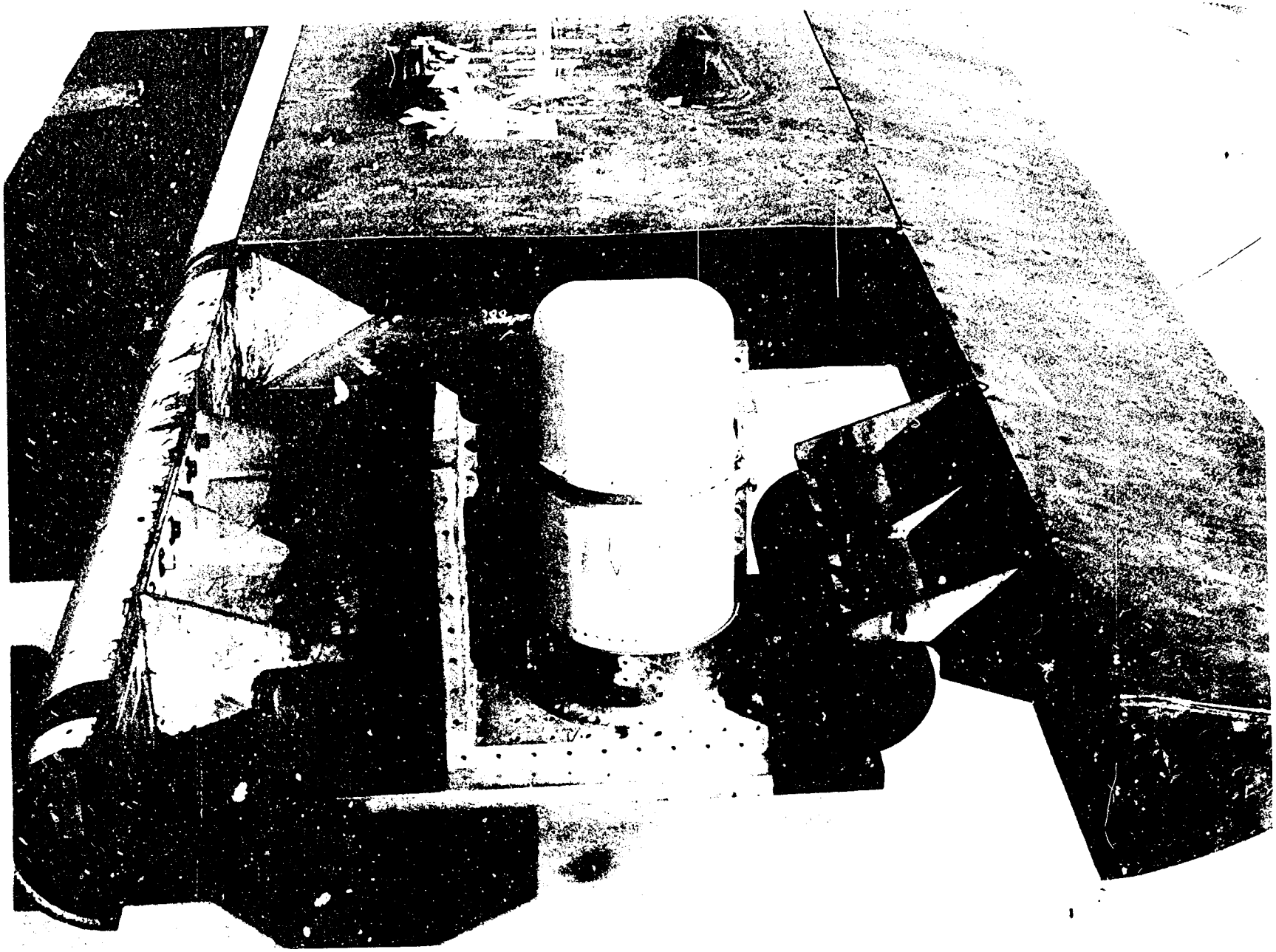

FIGURE 1 - SETUP FOR RUN 1, VERTICAL DIRECTION - CENTRIFUGE TEST OF THE XW-40 WITH CONVUS MOUNTS

D 9-13236

PROJECT NO. T-16109
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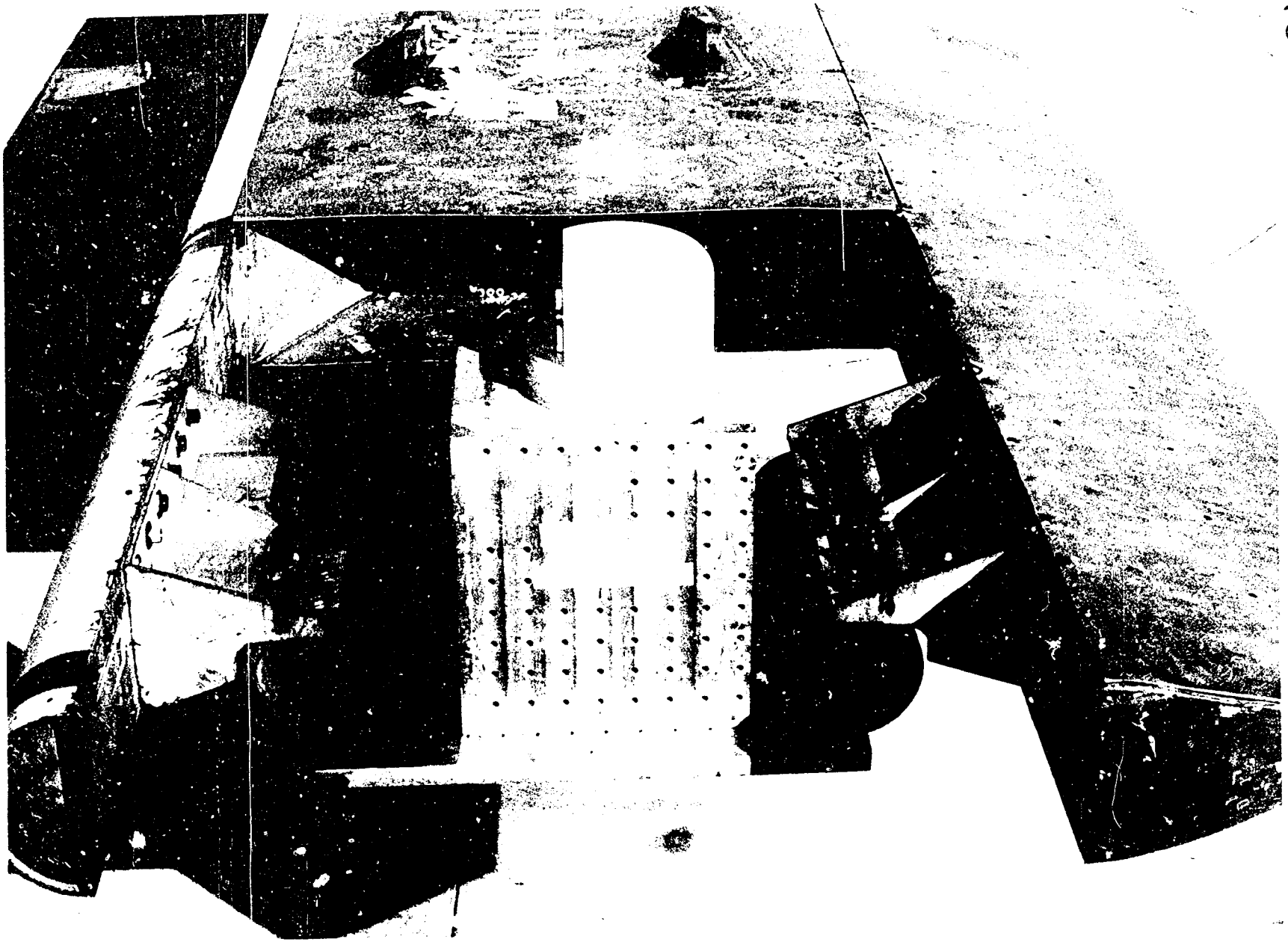

FIGURE 2 - SETUP FOR RUN 2, LATERAL DIRECTION - CENTRIFUGE TEST OF THE XW-40 WITH CORVUS MOUNTS

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PROJECT NO. T-16109
REF. SYM: 1613(131)

#70f

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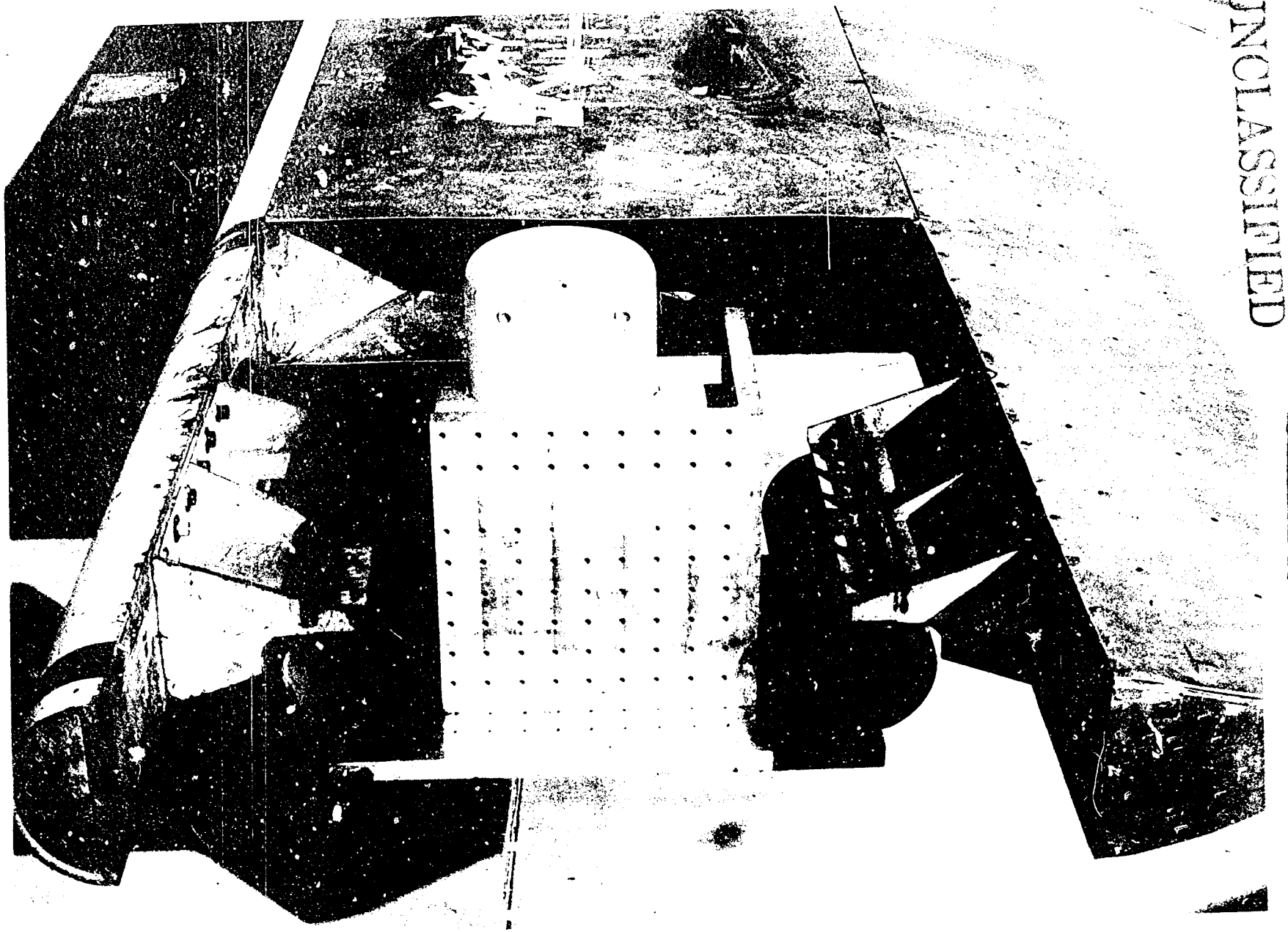

FIGURE 3 - SETUP FOR RUN 3, VERTICAL DIRECTION - CENTRIFUGE TEST OF THE XW-40 WITH CORVUS MOUNTS

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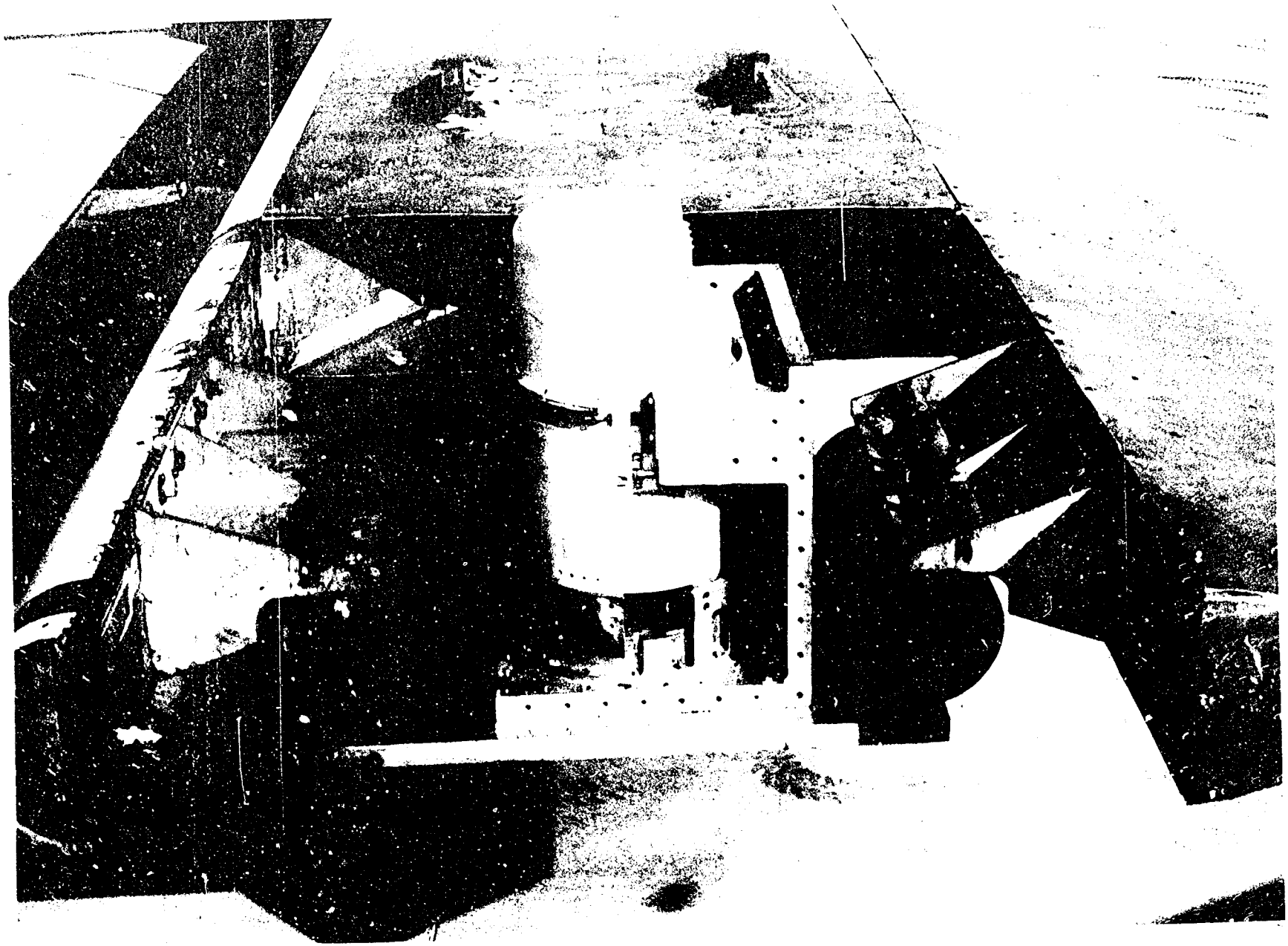

FIGURE 4 - SETUP FOR RUN 4, LATERAL DIRECTION - CENTRIFUGE TEST OF THE XM-40 WITH CONVUS MOUNTS

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PROJECT NO. T-16109
REF. SYM: 1613(131)

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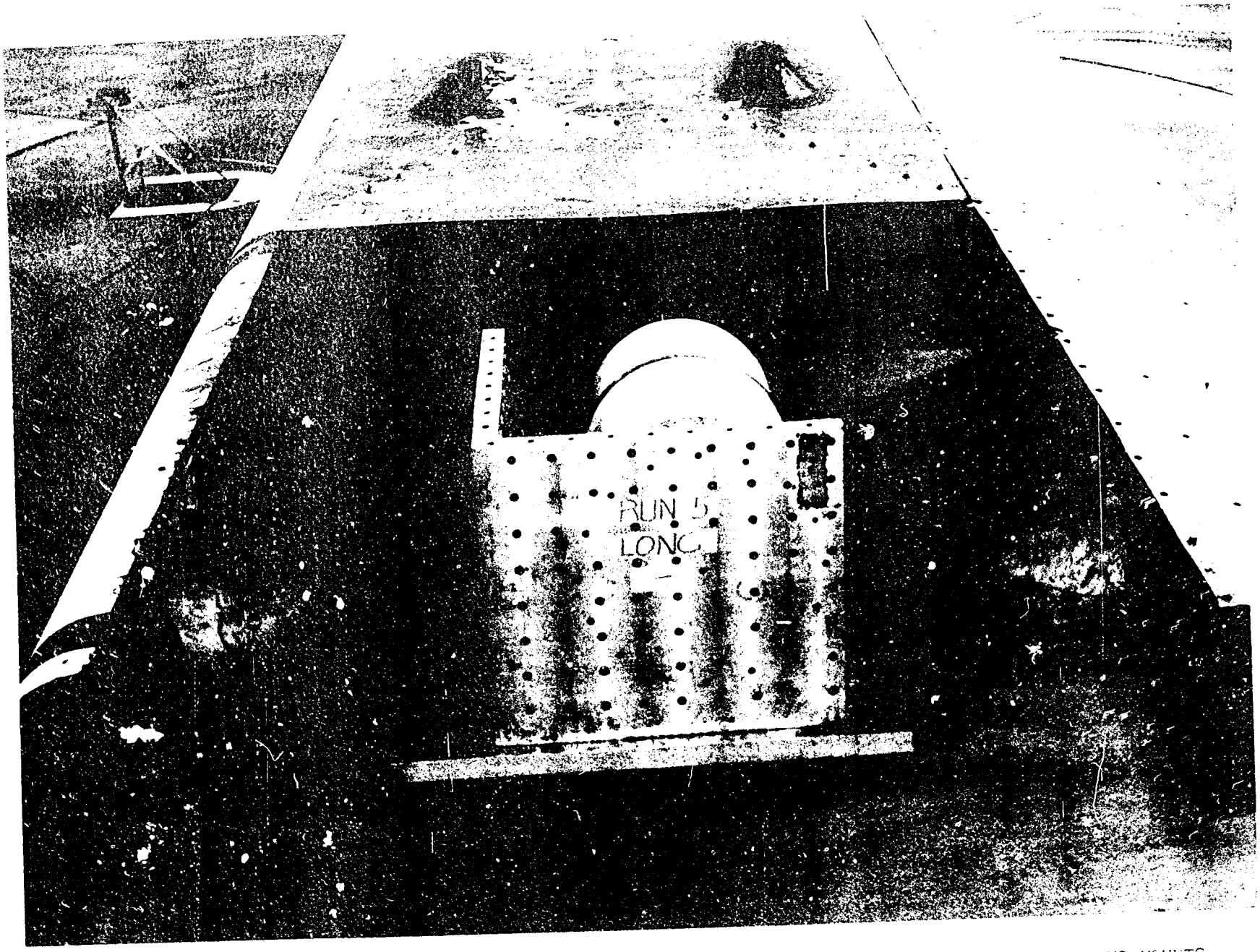

FIGURE 5 - SETUP FOR RUN 5, LONGITUDINAL DIRECTION -- CENTRIFUGE TEST OF THE XW-40 WITH CORVUS MOUNTS

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REF. SYM: 1613(131)

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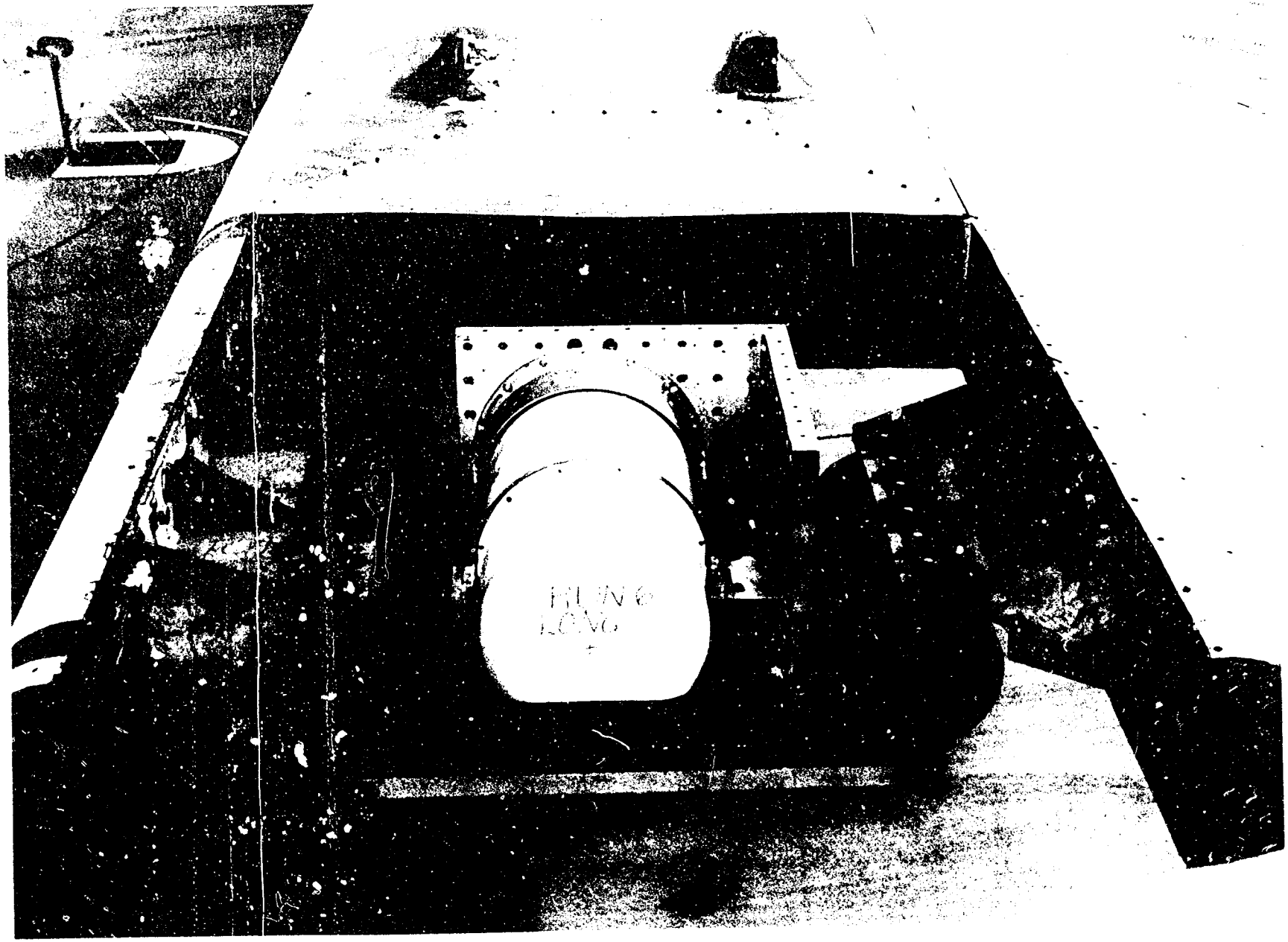

FIGURE 6 - SETUP FOR RUN 6, LONGITUDINAL DIRECTION - CENTRIFUGE TEST OF THE XM-40 WITH CORVUS MOUNTS

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