

1968

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FEB 7 1963

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
1 st Review Date: 7/07/98	Classification (Circle Numbers):
Authority: <input type="checkbox"/> ADC <input checked="" type="checkbox"/> ADP	1. Classification Retained
Name: Whayne	2. Classification Changed to: U
2 nd Review Date: 7/13/98	3. Contains No DDG Classified Information
Authority: RB Craner	4. Coordinate With: NW
Name: RB Craner	5. Contains UCAIT
	Comments: OK for declass

File No: T-14
~~T-19396~~ T-19396
 Test Completed: 12-21-62

see attached letter.

MR. T. J. HOBAN - 7212
 Attn: Mr. P. C. Hernandez

Re: Centrifuge Test of Telemetry Packages No. 53.73-7 and 53.73-8(U)

Summary of Test

Two 53.73 telemetry packages, Nos. 7 and 8, were subjected to accelerations of 12g (launch), 68g (re-entry), and 30 and 20g (2 transverse directions) for durations of 1 minute. During vertical acceleration of unit No. 8, the tape recorder jammed. It was repaired and the vertical and lateral axes were re-run and no further trouble was encountered on that unit. During the re-entry acceleration on unit No. 7, the recorder jammed during two successive runs. After the third repair, the test was completed with no further difficulty.

Object of Test

The object of this test was to prove the structural integrity of the 53.73-7 and 53.73-8 telemetry packages, and to determine if they would function when subjected to the sustained acceleration encountered during flight.

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Authorization for Test

This test was authorized in an Environmental Test Order dated 12-12-62 to Mr. R. S. Hooper, 7331-1. Mr. P. C. Hernandez, 7212, was the consultant.

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CENTRAL RECORD FILE

Procedure and Results

Unit No. 53.73-3 was mounted in the launch orientation as shown in Figure 1 and subjected to 12g for a period of 60 seconds. The unit was then mounted in the re-entry orientation as shown in Figure 2 and subjected to an acceleration of 68g for a period of 60 seconds. Next the unit was mounted in the vertical orientation as shown in Figure 3 and subjected to an acceleration of 30g for a period of 60 seconds. The unit was then rotated 90° about the longitudinal axis to the lateral orientation and subjected to an acceleration of 20g for a period of 60 seconds.

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During vertical acceleration there was a failure of the tape recording package. This package was replaced and the vertical and lateral orientations were re-run. The vertical orientation was run at 20g for a period of 60 seconds, and the lateral orientation at 20g for a period of 60 seconds. There was no further functional failure.

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW DOWNGRADING OR DECLASSIFICATION STAMP	
CLASSIFICATION CHANGED TO: U	AUTHORITY: RB Craner
Zmilda Selah 7/21/98	RECORD ID: 98SN2838
PERSON CHANGING MARKING & DATE: WC Jorme 7/22/98	DATED: 7/13/98
PERSON VERIFYING MARKING & DATE:	

CENTRAL RECORD FILE	
ACCOUNTABILITY CARD	32
FILE NO. 53/Jan 1	

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Mr. T. J. Hoban - 7212

- 2 -

T-19244

Unit 53.73-7 was first mounted in the launch orientation (Figure 1) and subjected to an acceleration of 12g for a period of 60 seconds. Next the unit was mounted in the re-entry orientation (Figure 2) and subjected to an acceleration of 68g for a period of 60 seconds. During this test the tape recording package jammed. The package was replaced and the re-entry orientation rerun at the same acceleration level during which the recording package again jammed. The package was again replaced and the re-entry orientation was rerun at 68g for 60 seconds. The unit functioned properly during this test. The vertical orientation (Figure 3) was then run at an acceleration of 20g for a period of 60 seconds. The unit was then rotated 90° about the longitudinal axis to the lateral orientation (Figure 3) and subjected to an acceleration of 20g for a period of 60 seconds. There was no further functional failure.

There was no apparent structural damage to TX pack No. 53.71-7 and 53.73-3 as a result of this acceleration test.

This test was run in accordance with SC-4452A (R).

T. H. Traver

T. H. TRAYER - 7323-2

D. E. Judd

Test Project Engineer: D. E. JUDD - 7331-1

Approved By: *R. S. Kospir* - 7331-1

WHR:7323-2

Encl: Figures 1, 2, 3

Copy to:

G. S. Williams, Jr., 1442

D. E. Bliss, 2344

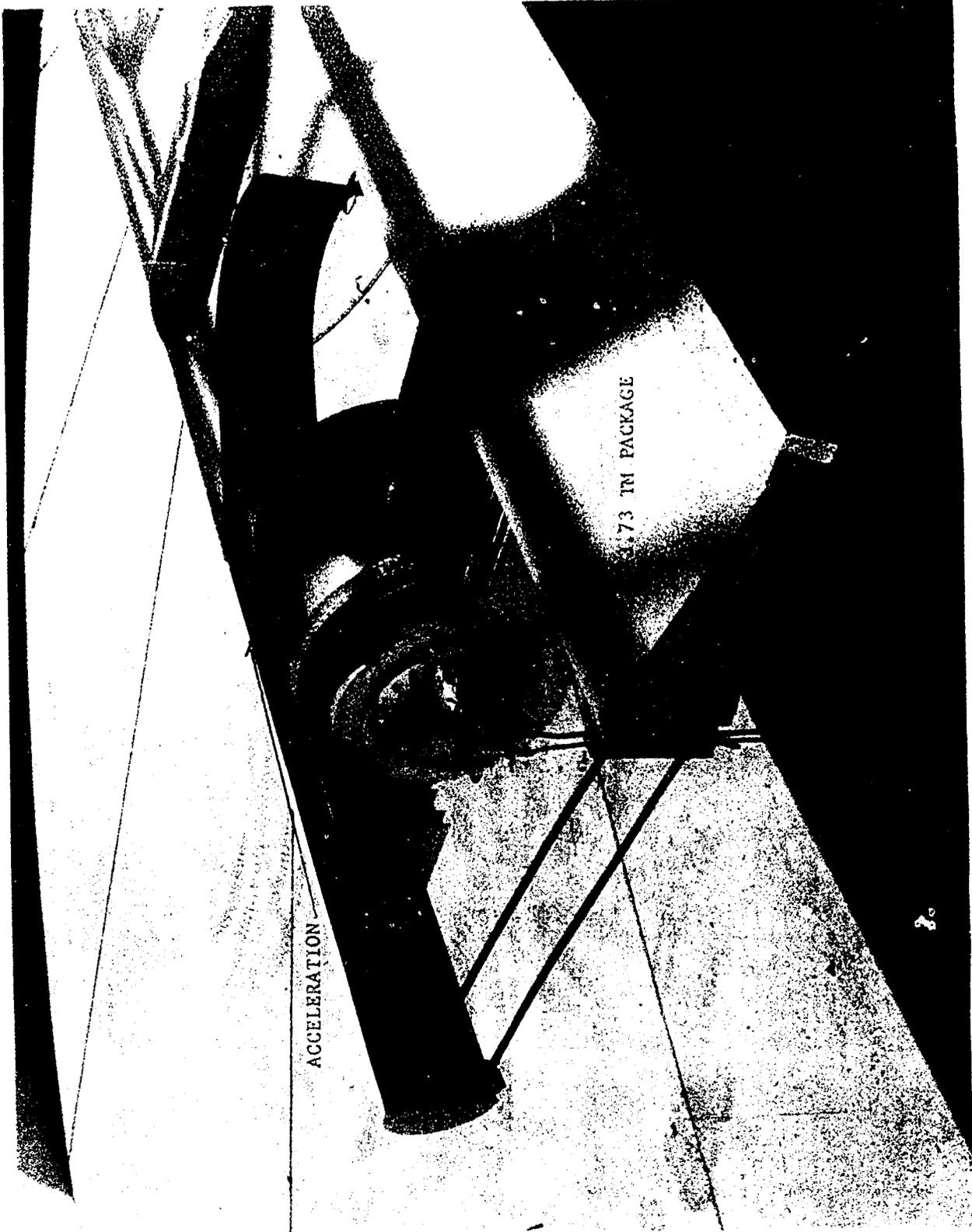
E. H. Copeland, 7331

C. E. Johnson, 7523

General Record File, 3421-3

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[REDACTED]
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FOICE-19#9

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[REDACTED] INK SMOAR
NOT done Here! ↗

062-2203

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D#62-22105

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INK SMEAR
NOT done Here!

[REDACTED]

1972

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D#62-22104

[REDACTED]

INK SMEAR

UNCLASSIFIED

NOT done Here!

062-22104

1973

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February 8, 1963

MR. T. J. HOBAN - 7212
Attn: Mr. P. C. Hernandez

Re: Confidential Test Report "Centrifuge Test of Telemetry
Packages No. 53.73-7 and 53.73-8" (U)

The above referenced report, issued under File No. T-14,
T-19244, has had a change in "T" number. The new number
is T-19396.

D. T. Judd
D. T. JUDD - 7331-1

DTJ:nmw

Copy to:
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D. S. Bliss, 2344
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C. L. Johnson, 7523
Central Record File, 3421-3

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FEB 11 1963
CENTRAL RECORD FILE

SEARCHED	INDEXED	FILE
SERIALIZED	FILED	
53/Titan II		
3-2		

JUKSMEAR

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