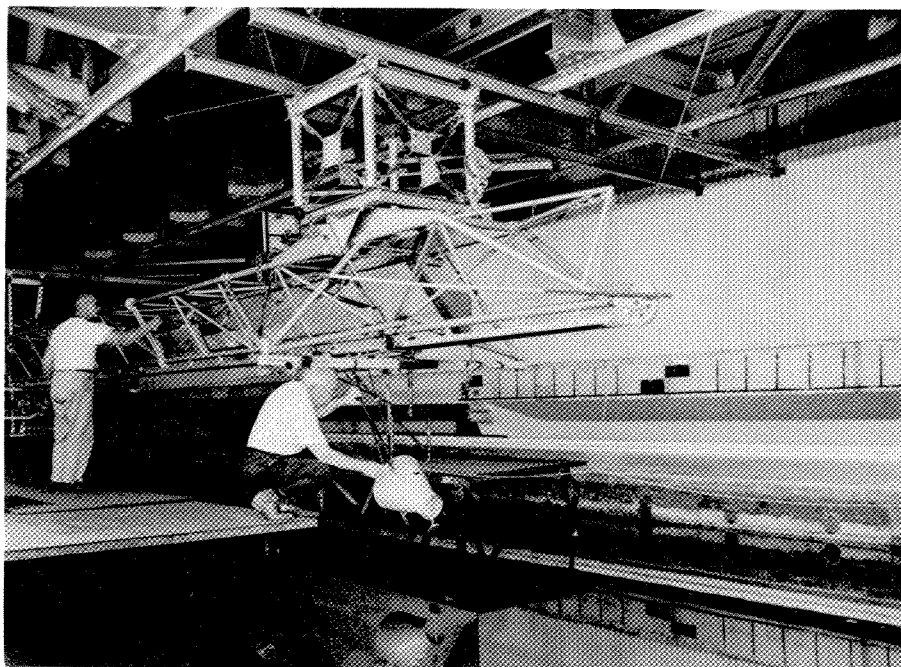

TECHNICAL FACILITIES RESUME

DATE OF RESUME: July 1, 1966

FACILITY NO: 04-00-02-00

1. REPORTING INSTALLATION: Langley Research Center
Hampton, Virginia
2. FACILITY NAME: Impacting Structures
3. LOCATION (*if other than in 1. above*): Same as 1.



4. FUNCTIONAL NAME: Landing Impact Test Facility
5. TECHNOLOGICAL AREAS SUPPORTED: Vertical type landing impact tests of manned spacecraft, horizontal type landing tests of aircraft and spacecraft, vertical type landing impact tests of instrument packages and nose cones.
6. NARRATIVE DESCRIPTION OF FACILITY CAPABILITIES & FUNCTIONS:
For study of landing characteristics of reentry vehicles and planetary entry configurations; launching equipment includes slingshot (energy-source rubber shock cord) with vertical velocities up to 200 ft/sec; pendulum with vertical or horizontal velocities up to 25 ft/sec; monorail launch and towing equipment with horizontal velocities up to 100 ft/sec.

6. NARRATIVE DESCRIPTION

Types of landing area:

260 ft. long dry area, 200 ft. long plywood runway,
1800 ft. long water, and other surfaces, such as sand.

Application - Aeronautics and Space Category - Materials and Structures

7. POTENTIAL:

8. PLANS:

9. BLDG. NO.	<u>720-B</u>	10. YR. BUILT:	<u>1942**</u>	11. FAC. CAT. CODE:	<u>390-00</u>
12. INITIAL COST: \$	<u>448 **</u> K	13. NASA B.O.D.	<u>1942</u>	14. STATUS CODE:	<u>Active</u>
15. ACCUM. COST: \$	<u>576 **</u> K	16. LIFE EXPECT.	<u>Indef.</u>	17. OWNER CODE:	<u>NASA</u>
18. OPER. CODE:	<u>NASA</u>	19. CONTRACTOR NAME (if contr. oper.):			

** This apparatus only

20. OTHER SOURCES OF INFO:

21. COGNIZANT ORGANIZATIONAL COMPONENT: Structures Research Division

22. LOCAL OFFICE TO CONTACT FOR FURTHER INFO:

Chief, Research Models and Facilities Division (Code 56.000)
Phone: (Area Code 703) 722-7961, extension 4745