

HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

CONFIDENTIAL

REPLY TO
ATTN OF:

LBZS

22 October 1959

SUBJECT:

Weekly Diary 15 Oct 59 through 21 Oct 59

TO:

LBG

Attached are the weekly diary items for Space Projects Office.



RICHARD G. ROWLAND
Major, USAF
Chief, Space Projects Office

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1. Weekly Diary LBZSP (C) 3 pgs
2. Weekly Diary LBZSA (U)

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WILL BE DOWN GRADED TO CONFIDENTIAL
UPON REMOVAL OF ENCLOSURES.

CONFIDENTIAL

59 LBZS 4392

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WEEKLY DIARY ITEMS - LBZBP

15 Oct Thru 21 Oct 1959

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(U) Procurement of Second Stage ABLE-STAR Booster

Six proposals were received and the Evaluation Board is now hearing verbal presentations by the six companies. Four firms submitted "no bids" or failed to respond to the RFP. Formal Board action is scheduled to be completed on or about 24 October 1959. The AFEND Project Office is in the process of initiating the Purchase Request. It is contemplated that a Letter Contract will be issued on or before 5 November 1959.

(U) Douglas Aircraft Company, Inc.

1. (U) Letter Contract AF 04(647)-481 for SE/TD. The Contractor has not yet completed the inter-plant co-ordination of this Letter Contract, however, execution and return of contract is forecast for 28 October 1959.

2. (U) SA No. 52 to AF 04(645)-65. Douglas has indicated certain exceptions will be taken to Supplemental Agreement No. 52. These exceptions will be incorporated prior to final execution by the Contracting Officer. Approval of the inclusion in Contract AF 04(645)-65 of an "Indemnification for Unusually Hazardous Risks" Clause has been received from Hq USAF and will be incorporated in SA 52 prior to execution by the Contracting Officer.

3. (U) SA No. 53 to AF 04(645)-65. Supplemental Agreement No. 53 was forwarded to the Contractor for signature on 20 October 1959. Eleven over-age CCN's were formalized by this document. It is anticipated that the document will be executed and distributed on or about 5 November 1959.

4. (U) AF 04(645)-65 - Negotiations were held with Douglas on 20 October 1959 involving 28 CCN's. Supplemental Agreement No. 56 will be written to incorporate these CCN's into the contract. With the execution of this document during November 1959, our CCN status will be improved -- we will be current.

5. (U) AF 04(645)-65 - Production Status - Nineteen missiles are presently on test sites. Location and type are as follows:

Vandenberg AFB	5 each 117L type missiles
Patrick AFB	7 each Flight Test type missiles
Patrick AFB	1 each Tyros
Sacramento	6 each various type missiles are undergoing weapon system tests, qualification firing and/or captive test.

Missiles accepted and retained at Douglas, Santa Monica Plant awaiting shipping instructions but assigned to R&D test program total 12 consisting of

8 each	For VAFB 117L Program
2 each	For Patrick Flight Test
1 each	for ARPA TRANSIT
1 each	for ARPA COURIER.

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59 LBZS 4392

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(U) Education and Training - Approximately eight courses are currently being conducted in the various buildings of the Complex by University of Southern California. These courses cover such subjects as Federal Management, Supervision of Scientific and Engineering Personnel, Supervision of Engineers, Fundamentals of Engineering, Structural Analysis and Design for Civil Engineers. Some of the courses which are new in session will be duplicated in the Spring 1960 for the benefit of those persons who are unable to attend the Fall semester.

(U) Calibration Standards Laboratory - Cook Electric Company is currently performing calibration services with the Calibration Laboratory at Vandenberg AFB. The performance of Cook Electric has been satisfactory, however, some of the equipment contained in the Lab is somewhat outdated. Cook Electric Company has advised the Air Force that the equipment contained in the Lab should be replaced by more modern and accurate equipment. In an effort to bring the Calibration Lab up to date, Cook Electric submitted a proposal covering modification of the Lab. This modification will bring the Lab up to date and permit Cook Electric to calibrate the most up-to-date equipment currently being used by contractors at Vandenberg. It will take approximately six months to complete the modification of the Lab. Cook has quoted a price of \$89,000 for this modification. The project office has approved Cook's proposal and has requested LBES to contract for the modification.

(U) Long Range Valve R&D Program

1. AF 04(647)-160 - Rocketdyne Division of North American Aviation has delivered the Liquid Oxygen Tank Vent Valve and Pneumatic Solenoid Valve called for by the contract. Rocketdyne is currently on schedule and no problems are anticipated. They have submitted two unsolicited proposals covering a follow-on effort under their current R&D contract. One proposal covers a series of tests to be performed on the Pneumatic Solenoid Valve developed under the contract. Rocketdyne has stated that a few modifications may be necessary on the valve during the testing program. The other proposal covers the re-design of the Missile Propellant Tank Vent Valve developed under the contract. This proposal covers a substantial degree of re-design on the vent valve. Both of Rocketdyne's proposals are being evaluated by the Project Office.

2. AF 04(647)-163 - AiResearch is currently on schedule with their production of the Multiple Passage Solenoid Valve being produced under the contract. AiResearch is incurring an overrun of approximately \$90,000 due to engineering difficulties. These difficulties will not, however, extend the completion date (20 Nov 59) set forth in the contract. No problems are anticipated in this contract.

3. AF 04(647)-158 - Frebank Company is currently experiencing a \$55,000 overrun. In addition, Frebank has requested an extension of the delivery date to 31 Jan 60. The Project Office has concurred with Frebank's extension request. Notwithstanding this extension, AFEMD is satisfied with the manner in which Frebank is performing under the contract.

4. AF 04(647)-161 - Robertshaw-Fulton has been granted an extension of delivery time to June 1960 and has been afforded an additional \$150,000 for completion of the contract. This overrun and time extension is due to the many technical engineering problems encountered by Robertshaw in developing the Pressure Regulator called for by the contract. Most of the technical problems have been resolved as of this date and solutions to the remaining technical problems are now known. Robertshaw-Fulton's progress under the contract will be monitored very closely by BMD/STL in an effort to preclude any further slippage in the delivery schedule, since the pressure regulator being developed by Robertshaw is vital to the AF Ballistic Missile Program.



(U) Photographic Laboratory at Vandenberg AFB - Technicolor Corporation has submitted preliminary drawings for the Photo Lab; and the drawings are currently being reviewed by engineers of the Air Photographic and Charting Service, APCS. APCS personnel have indicated that Technicolor's design of the Lab is satisfactory. A problem currently exists in that the machines may weigh more than the floor of the building is designed to support. The Architectural Engineer at Lockout Mountain AFS will determine whether the floor will support the Technicolor Film Processing System. If not, the building will have to be modified in the area which will house the system, to the degree necessary to support the Technicolor System. No major problems are anticipated at this time, Technicolor is on schedule.

WEEKLY DIARY ITEMS - LBZSA

15 October 59 Thru 21 October 59

(U) Communication Satellite Program

A Letter Contract was given to General Electric for signature on 22 October 1959. This Letter Contract recognizes costs from 1 September 1959 and is incrementally funded in the amount of \$2,000,000. Definitization negotiations are scheduled for 26 October 1959.

(U) Letter Contract AF 04(647)-449 Aeronutronics System - Program 609A

A briefing on 15 October 1959 by AFBMD, NASA and Aeronutronics personnel indicated that the 609A Program is on schedule, with no major problems existing at this time. Action was taken on 21 October 1959 to definitize language of Statement of Work for Definitive Contract for AF 04(647)-449. Additional work remains to be accomplished to provide adequate language in the letter and/or definitive contract to properly define and set out GFP and GSE requirements. Coordination with AFBMD was accomplished and the course of action agreed upon. Negotiation of estimated cost is still scheduled to begin approximately 28 October 1959.

(U) Contracts with Space Technology Laboratories, Inc.

Contract AF 04(647)-361 - Tiros, Transit, Courier

Contract AF 04(647)-369 - SE/TD for Project Mercury

A pre-negotiation presentation to BMC Procurement Staff was made on 20 October 1959 on the above contracts denoting status, problem areas, and percentage of funding to date. Items needing policy clarification were defined and group agreement on the recommended policy expressed. Negotiation of estimated cost on AF 04(647)-361 has been continually delayed by STL because its personnel have not been prepared to negotiate. As of this date, we are hoping to begin on 23 October 1959

Negotiations on Contract AF 04(647)-369 have been in being since 23 June 1959. Originally there were two (2) major points of contention; (1) type of contract. (2) period of contract. The Contractor originally wanted to contract for this effort on a task basis, whereas the Air Force wanted to contract on the same basis as AF 04(647)-309 i.e. "Level of Effort". After numerous discussions, STL finally agreed to contract on a Level of Effort basis (1 Oct 59). The other problem, period of contract, still exists. Because of program uncertainties at this time, we do not feel we can contract through completion; however, after our discussion with the procurement staff this week we feel that we can settle this problem with STL within the next week which should permit the definitization of this contract without further delay.

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