

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

REPLY TO
ATTN OF: LBZS

DEC 31 1959

SUBJECT: Weekly Diary 17 Dec 59 through 31 Dec 59

TO: LBG

THRU: LBZ

Attached are the weekly diary items for Space Projects Office

Sherman E. Ellis
SHERMAN E. ELLIS
Colnsl, USAF
Director, Space and Satellites

2 Atch
1. Weekly Diary LBZSA
2. Weekly Diary LBZSP

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AMC BALLISTIC MISSILES CENTER
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REPLY TO
ATTN OF: LBZJ

31 December 1959

SUBJECT: WEEKLY DIARY

TO: LBG

Satellite Systems

1. SAMOS Operational Logistics Presentation: (UNCL)

Hq USAF TWX dated 9 December 59 directed that BMD/BMC arrange an Operational Logistics Presentation to Air Staff and Weapons Board on 5-6 January 1960. Since this wire, BMD jointly with BMC, have held informal reviews with ARDC and UBAF for detailed program guidance relative to the imposed fund ceiling for FY-60 and FY-61. Conclusions reached at this preliminary review have resulted in realignment of both the Development Plan and the Operational Plan. IMSD and responsible agencies of the Air Force, i.e., AMC have been notified by TWX dated 29 December 59 that the 5-6 January 1960 UBAF briefing has been cancelled until new Development Plans and Operational Plans have been formalized. BMD is presently arranging a new presentation date with UBAF, tentatively scheduled on or about 25 January 1960.

2. Communication and Control System: (UNCL)

A letter contract was issued this date to Philco Corporation, Western Development Laboratories, Palo Alto, California. This contract covers the initial procurement of a Communications and Control System applicable to Air Force Satellite Systems.

3. Reprogramming Due to Budgetary Limitations: (UNCL)

It is contemplated that SAMOS, MIDAS and DISCOVERER reprogramming will be required in order to reduce the programs to the budgetary ceiling. Studies and analyses have been in progress as to the best approach to this problem. To date, no reprogramming has taken place. It is anticipated that this action will be taken during the first week in January.


SHERMAN E. ELLIS
Colonel, USAF
Director, Space and Satellites

WEEKLY DIARY ITEMS - LBZSP

17 Dec 1959 Thru 31 Dec 1959

(U) Long Range R&D Value Program

1. Robertshaw-Fulton Controls -- Contract AF 04(647)-161
The Project Officer and representative(s) from LBZSP will visit Contractor during January to witness a demonstration of the Pressure Regulator being developed under Contract AF 04(647)-161. Contractor has advised that funds remaining on contract are sufficient to permit completion of demonstration testing, but that additional funds will be required prior to completion of Flight-Rating tests. The Project Officer has tentatively stated that additional funds may be provided to complete the contract if the Demonstration tests are successful.
 2. AiResearch Mfg. -- Contract AF 04(647)-163
Contractor has advised that approximately \$45,000. will be required to complete the Multiple Passage Solenoid Value being developed under contract AF 04(647)-163. The Project Officer has tentatively stated that additional funds may be provided to complete the contract if the Demonstration testing of the value on 15 Jan 1960 is successful. This testing will be witnessed by the Project Officer and representatives from LBZSP.
- (U) Douglas Aircraft Company, Inc. --- Contract AF 04(645)-65
1. a. Negotiations covering 16 CCNs were held 19 December 1959 at BMC with an agreement being reached on 14 CCNs at an estimated increase in contract cost of \$9.6 million. Two CCNs required additional research into cost elements and will be included in later negotiations. The CCN aspect of this contract is now on a current basis.
 - b. Negotiations to complete the undefinitized portions of Letter Contracts designated Supplemental Agreements Nos. 20 and 49 were begun 21 December 1959 and continued thru 23 December 1959 with an agreement being reached involving an increase to the contract cost of \$14.7 million. Extension of the effort under L/C SA 49 is still a matter for negotiation and this is scheduled for the early part of January.
 2. Letter Contract AF 04(647)-527 with Douglas Aircraft Company covering 12 months of Launch Capability at Vandenberg AFB was forwarded to the Contractor for execution 29 December 1959.

WEEKLY DIARY ITEMS - LBZSA

24 December Thru 30 December 1959

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

1. The lack of funds for this program continues to prevail. NASA requires funds on or before 7 January 1960 to permit definitization of hardware delivery contracts to meet Air Force test and launch dates. Aeronutronics recently submitted a Red Flag report predicting a launch schedule slide because of lack of funds for subcontracts. Funds presently obligated to Aeronutronics will permit in-plant prime contract work to continue to 15 February 1960. Information by TWX and telecon 30 and 31 December states Office of Secretary of Defense will secure release of funds by 31 December 1959 or 4 January 1960 for continuing the 609A Program.
2. Negotiations are completed for the Definitive Contract and Aeronutronics has accepted by letter the conditions and estimated cost of \$2,676,000 with no fee. This contract is now ready for initial review.

(U) Contract AF 04(647)-476 with General Electric - Communications Satellite

1. The Definitive Contract has been written, and the contract file will be submitted for initial review by 9 January 1960.
2. General Electric submitted its Program Plan on 15 December. On 18 December a meeting was held here with AFBMD, BMC, STL and General Electric representatives to discuss the immediate future of the program. As indicated in previous diaries, the release by ARPA of additional funds to continue this program is in doubt. This meeting was therefore to determine how long we could keep the contractors working with the funds presently available, and was concluded with the agreement that General Electric would develop a "keep alive" program to (1) keep their in-plant team together and, (2) limit their efforts primarily to the schedule pacing items. This plan is to be submitted on 5 January as is to outline a level-of-effort to keep the program going on an austere basis until 1 March. We anticipate a decision on the future of this program not later than the middle of February.

(U) Contract AF 04(647)-361 with STL - Tiros, Transit and Courier Projects

1. Fee negotiations for the estimated cost of \$6.6M agreed to on 5 December are still in process. The Contractor is presently considering our fee offer of \$473,000 for his efforts for the design, fabrication, launch, tracking, and associated services for the experimental payloads designated as Transit IA, IIA, and Courier IB.

2. STL's proposal for SE/TD for the two follow-on projects, Transit IIB and Courier IB was received 29 December. Evaluation of this proposal is in process. We hope to complete negotiations of this proposal in time to include it in the definitive contract that can be written as soon as the fee on the estimated cost mentioned above is agreed upon.

Additional funds in the amount of \$2,592,000 was obligated this week which will fund this contract through approximately April 1960.

(U) Contract AF 04(647)-302 with STL - Able 3 and 4

1. Launch of the Able-4 Thor Deep Space Probe scheduled for 15 December was postponed due to technical difficulties encountered during pre-launch count-down operations. It is anticipated that all technical difficulties will be resolved in sufficient time to accomplish this launch on 28 January 1960.

2. Additional funds in the amount of \$1,415,000 were allotted to this contract this week which will provide funds through 30 June 1960.

(U) Contract AF 04(647)-309 with STL - SE/TD and Air Force Support for Ballistic Missiles and Space Programs

1. The STL proposal for a supplemental increase of 913 MTS man months to provide for continued performance for the remainder of June 1960 was received last week. Services thru May 1960 have already been procured. The total estimated cost of this supplemental proposal is \$3,988,000. Evaluation of this proposal is now in process with negotiation tentatively scheduled to begin in February.

2. Additional funds in the amount of \$5,091,439 were allotted to this contract this week. This will fund this contract thru approximately 3 February 1960.

(U) Amendment Nr. 2 to Contract AF 04(647)-361 with STL (Definitive Contract number to be AF 04(647)-504) - SE/TD for Communication Satellite Program

STL has submitted its revised proposal for SE/TD for this program. This proposal is presently being evaluated. Negotiations are tentatively scheduled to commence in January.