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

(Signature)

REPLY TO
ATTN OF: LBZS

SUBJECT: Weekly Diary 6 Nov 59 through 12 Nov 59

NOV 12 1959

TO: LBG

THRU: LBZ

Attached are the weekly diary items for Space Projects Office.

(Signature)

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

2 Atch

1. Weekly Diary LBZSP (Conf) 1 page
2. Weekly Diary LBZSA (Unclass) 1 page

When inclosures are withdrawn the
classification of this correspondence
will be downgraded to Unclass
in accordance with AFR 205-1.

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59 LBZS 4396

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

REPLY TO
ATTN OF:

LBZJ/2712

12 November 1959

SUBJECT:

WEEKLY DIARY - 6 thru 12 November 1959

TO: LBG

Satellite Systems

1. Subsystem I: (SECRET)

A meeting was held here with RADC and LSM representatives for the purpose of discussing the provisions of RADC's Exhibit 5063 to the R&D contract and T-R-W's proposal thereto. Review of these two documents indicated that logistic requirements were not in consonance with the logistic policy, concept and plan as established for the SAMOS program. Mr. Tomanini of RADC was apprised of our findings during the discussion and requested to clarify RADC and AFEMD's position. He stated that there were no changes in the logistic support concept for Subsystem I; however, in the interest of clarifying possible problem areas, he requested a copy of the LSM's comments in order that RADC and T-R-W might review them and be prepared to respond to the comments at the Subsystem I conference scheduled at AFEMD on 16 November 1959.

2. SAMOS Operational Contract: (SECRET)

Initiation of a SAMOS operational contract has been held in abeyance pending re-evaluation of program requirements. This office, in coordination with AFEMD, will determine those requirements that must be satisfied at this time to provide for the Logistical Support of the SAMOS Operational Program. Requirements are to be identified this week and scheduled for contractual action during the week of 16 November 1959.

3. SAMOS/MIDAS Program Realignment: (SECRET)

Representatives from ADC, SAC, AMC and LSM convened at this complex 9-13 November with BMD/BMI Satellite Project personnel to review detailed status of the SAMOS/MIDAS System. BMD called this meeting to prepare necessary operational and logistic plans directed under UBAF TWX AFDAT 1259/59 which states in part that:

a. Secretary of Defense approves assignment of SAMOS and MIDAS to the Air Force.

DOWNGRADED AT 12 YEAR
INTERVALS; NOT TO BE AUTOMATICALLY
DECLASSIFIED. DOWD 5200.10

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b. SAMOS Development Plan will be prepared by ARDC, SAMOS Operational Plan will be prepared by SAC and Log Support Plan by AMC.

c. MIDAS Development Plan will be prepared by ARDC. Operational Plan for MIDAS will be prepared by ADC in collaboration with SAC and ARDC. Logistic Plan prepared by AMC.

4. Technical Review of Communication Satellite Work Statement: (UNCL)

A meeting was held between representatives of AFBMD, AFEMC, STL and IMED to resolve, if possible, technical differences in the 2nd stage work statement. Resolution was not possible as the technical comments were to the point of detail that specialists in the areas would have to get together separately. IMED pointed out the fact that they had expended approximately \$45,000 of their own money and would have to restrict any further effort to the coordination actions that may be necessary.

5. Status of DISCOVERER Launches: (SECRET)

DISCOVERER VIII was successfully launched on 8 November and achieved orbit. Failure of the primary power supply prevented ejection of the recovery capsule. DISCOVERER IX is expected to be launched on the 20th of November.

6. Visit to Douglas Test Facility, Sacramento: (UNCL)

In view of the need for rocket engine test facilities to supplement the Lockheed Santa Cruz test facilities, Mr. Kildoo and Lockheed personnel made a one day survey on 11 November of the Douglas Rocket Test Facility at Sacramento. The initial appraisal of the tools and test equipment being surplus and the facility itself reveals that the facilities and equipment, if properly augmented, could be used for WB 117L quality assurance testing. Further study of the possible use of this available facility is being implemented.

[Signature]
SHERMAN E. ELLIS
Colonel, USAF
Director, Space & Satellites

Copies to: IEZ, LEP, LBL

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WEEKLY DIARY ITEMS - LBZSP

5 Nov 59 Thru 11 Nov 1959

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(U) Douglas Aircraft Company, Inc.

1. (U) Letter Contract AF 04(647)-481 was finally approved by the Procurement Committee and submitted to Contract Distribution on 10 November 1959. The Contractor made numerous suggestions which will be considered in the definitization of this document.

2. (U) SA No. 52 to Contract AF 04(645)-65 returned signed by the Contractor and will be submitted to the Procurement Committee on 12 November for final approval prior to sending to AMC for MCPC review.

3. (U) SA No. 56 to Contract AF 04(645)-65 was initially approved 10 Nov and will be forwarded to the Contractor for execution on or about 13 November 1959.

4. ~~(S)~~ Contract AF 04(645)-65 - Production Status - Missiles Nos. 124 and 139, produced under the R&D aspects of the contract, were converted to display missiles and shipped to SBAMA and Patriot AFB, respectively, on 5 November 1959.

(U) Modification Kits for Command Destruct Receivers.

A proposal is anticipated from AVCO Corporation, Crosley Division, for 115 Modification Kits within a few days. This procurement will be accomplished by a supplemental agreement to Contract AF 04(647)-213. Formalization of this agreement is contemplated by 10 December 1959.

(U) Long Range R&D Valve Program

A presentation was given by Rocketdyne on 9 November 1959 of their unsolicited proposal to develop a series of Missile Main Propellant Tank Vent and Relief Valves. The presentation was attended by members of Rocketdyne, STL, BMD and BMC. The unsolicited proposal resulted from previous development of valves and regulators by Rocketdyne on Contract AF 04(647)-160. No action has been taken by BMC pending a determination as to the advisability of this procurement by the BMD Project Office.

~~(S)~~ LOX Pump

The LOX pump developed by J. C. Carter under Contract AF 04(647)-222 was tested at Edwards AFB the week of 2 Nov 59. The pump successfully operated by pumping 5,950 gallons per minute (GPM) for a period of 2.68 minutes, at which time the pump was slowed to 1,600 gallons per minute for .87 minutes and then slowed again to 28 GPM for 3.17 minutes. The total time required for filling the ATIAS with LOX was 6.72 minutes. No major problems were encountered during the testing of the Carter pump. The Project Office is satisfied with the performance and success of the J.C. Carter pump.

(U) LOX Pump, Contract AF 04(647)-223

The LOX Pump developed by Byron Jackson Pump, Inc., has been shipped to Edwards AFB for testing. The test will be completed the latter part of this month. No problems are anticipated.

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WEEKLY DIARY ITEMS - IEZSA

5 November 59 Thru 11 November 59

(U) Communication Satellite Program

1. Letter Contract AF 04(647)-476 was returned from signature 9 November 1959 with several exceptions. These exceptions have been negotiated and the Letter Contract will be forwarded for final review this week.
2. Negotiations for the definitization of this Letter Contract were concluded 5 November 1959. The estimated cost is \$5,311,200 and the fee is \$371,784, which is equal to 7% of the estimated cost. The definitive contract will include a provision whereby General Electric sustains the first 1.7 million dollars of any overrun ~~ir~~regardless of how large the estimated cost may be, with the provision that the final estimated cost must be no lower than the initial \$5,311,200. Inasmuch as the negotiations for definitization were completed before the Letter Contract was forwarded for final distribution, we hereby claim that this is the quickest definitization ever accomplished in BMC.
3. CCN #1 to the Letter Contract, which summarizes 3 of the 4 TD's mentioned in last week's Diary, was coordinated by NDZSC on 10 November 1959 and the CCN will be issued 12 November 1959.

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