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

REPLY TO
ATTN OF: **LEZJ/2712**

19 November 1959

SUBJECT: **WEEKLY DIARY - 13 thru 19 November 1959**

TO: **LEB**

Satellite Systems

*LEB-11-6-E
59.100 130*

1. DISCOVERER Acceptances: ~~(SECRET)~~

DSD
DISCOVERER Vehicles 15 and 16 were accepted by the AF Acceptance Team on 17 November and are in process of shipment to Vandenberg AFB for preparation of launch. The last DISCOVERER Vehicle of the initial lot of 17 was successfully hot-fired on 13 November and it is anticipated that this Vehicle will also be accepted this month.

2. Survey of Douglas-Sacramento Test Facility: ~~(CONF)~~ *DSD*

P
The Douglas-Sacramento Thor test complex was inspected by personnel from this office, BMD and the contractors on 17 November. The group was favorably impressed with the layout of this facility and considered its adaption for AGENA testing at this facility to supplement the Santa Cruz Test Facility.

3. Communications Control Program: (UNCL)

P
During the period 11-18 November 1959, the BMD/BMC Satellite Project Communications and Control Working Group, established by WDG letter of 2 November 1959, completed definitization of the present LMSD Work Statement and tentatively established 31 March 1960 as date for completion of LMSD Communication and Control effort now in progress. The plan provides for LMSD System Engineering and Technical Direction, with Philco responsible for effort from the present period through April 1960.

Yes
Sherman E. Ellis
SHERMAN E. ELLIS
Colonel, USAF
Director, Space & Satellites

Copies to: **LEZ, LBP, LBL**

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WEEKLY DIARY ITEMS - LBZSA

12 November 59 Thru 18 November 59

(U) Communication Satellite Program

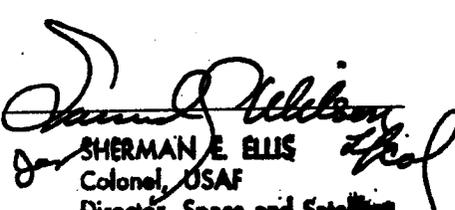
1. Final distribution of Letter Contract AF 04(647)-476 was made on 13 November 1959.

2. LBZ has received a request from WDZF to deobligate 1.2 million dollars of the two million dollars now obligated on the Letter Contract. The purpose of this reallocation of funds is to enable all the various Communication Satellite Contractors to operate on FY 59 funds until 31 December 1959, at which time ARPA must augment the 8.6 million dollars allotted in FY 59 funds with FY 60 money. General Electric has reluctantly agreed to this deobligation, and we are taking steps to amend the Letter Contract and deobligate 1.2 million dollars.

3. The TD meeting originally scheduled for 18 November has been cancelled, because certain technical decisions must be made by ARPA, AFEMD and STL before General Electric can be technically directed. It is not known yet when or if the TD meeting will be rescheduled.

~~(G)~~ Contract AF 18(600)-1824, Boeing Airplane Company (SR-183)

Boeing has submitted a proposal for definitizing CCN #2. The CCN is for conducting a reconnaissance mission to the top of Mt. Rainer for the purpose of establishing a simulated manned lunar station at a remote site. The proposal contained two (2) alternatives: the removal of material from the mountain site entirely by back-packing at a cost of \$10,500, or the removal being accomplished partly by air pick-up by the Air Force and partly by back-packing at a cost of \$6,500. Boeing proposed that the mountain be cleared by 31 August 1960.


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

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DECLASSIFIED. DOD DIR 5200.10

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WEEKLY DIARY ITEMS - LBZSP

12 Nov 59 Thru 18 Nov 1959

(U) ARW-62 Crosley Command Destruct Receivers

Two hundred and seventy-eight receivers have been procured from AVCO Corporation, Crosley Division, Cincinnati, Ohio on FP Contract AF 04(647)-213, for use on the ATLAS and TITAN Missiles. These receivers have been shipped in increments of 20 each per month and the last shipment completing the contract is to be made in the month of November 1959. It was found necessary to modify some of the receivers to provide a shorter closing time on channels 2 and 5 of 6+ or -3 milliseconds for the AFC Command. Ten modified assemblies have been procured from Crosley and shipped to Convair and Martin to be installed in the field. A proposal has been requested from Crosley for the modification of an additional 115 channel 2 and 115 channel 5 assemblies and an amendment to the contract is in process to accomplish this modification. A new requirement now exists for 160 additional receivers which will contain the modified channel assemblies. A request for proposal is in process from which a new sole source fixed-price contract will be contemplated. Execution of this contract is contemplated by 30 January 1960.

(U) Long Range R&D Valve Program

Two unsolicited proposals have been received from Rocketdyne, Division of North American Aviation, Inc.

1. A proposal for a follow-on effort to existing QPFF Contract AF 04(647)-160 for a series of tests over a seven-month period to be performed on two single passage solenoid valves developed under the contract. Action is being taken to secure competitive cost estimates for this testing on existing T-M contracts with other testing laboratories.
2. A proposal for the development of a series of Missile Main Propellant Tank Vent and Relief Valves consisting of three-3", six-6", and two-2" valves. A presentation of this proposal was given by Rocketdyne on 9 November 1959. No action has been taken to date pending a decision by the BMD Project Office as to the advisability of making this procurement.

(U) Photographic Laboratory at Vandenberg AFB - Contract AF 04(647)-472.

Technicolor's designs of the film processing machines and drawings depicting the film processing system as installed, have been approved by the Air Photographic and Charting Service (APCS). APCS requested a few minor changes in the Technicolor drawings which were acceptable to Technicolor. Technicolor is commencing with the fabrication of the film processing machines and is currently on schedule from a production standpoint. No problems are anticipated.

(U) Procurement of AbleStar Stage.

The Commanders of BMD and BMC approved Aerojet-General Corporation as the source for the AbleStar Stage, said source having been recommended by the Source Selection Board. Purchase Request 60-BMD-113 was received in LBZSP on 10 November 1959. Letter Contract AF 04(647)-509 was signed by the Contracting Officer and transmitted to Aerojet-General Corporation on 17 November 1959.

(U) Douglas Aircraft Company, Inc.

1. (U) Letter Contract AF 04(647)-481. The Contractor's suggestions for said contract covering Systems Engineering and Technical Direction on the THOR Program are to be considered in the definitization of this Letter Contract and are being reviewed by WDTIS. A meeting with the Contractor to cover this matter is scheduled for 20 November 1959.
2. (U) Supplemental Agreement No. 52 to Contract AF 04(645)-65, which definitizes Letter Contract Designated S/A No. 15, was given final approval by BMC Procurement Committee on 16 November 1959 and was forwarded to AMC (MCPC) for review the same date. This Supplemental Agreement provides services and supplies for the support of the WS 117L Program including the preparation of the Stands 4 and 5 of Complex 75-3. This S/A additionally provides for the maintenance of a capability at Vandenberg AFB for launching WS 117 vehicles through 31 December 1959. It also incorporates the "Unusually Hazardous Risks" Clause which indemnifies the Contractor against such risks.
3. (U) Supplemental Agreement No. 56 to Contract AF 04(645)-65 was forwarded to the Contractor on 12 November 1959 and it is expected to be executed and returned by 25 November 1959. This Supplemental Agreement definitizes 27 CCM's issued against the contract at an increase in estimated cost and fixed fee of \$935,137 and \$52,463, respectively, and deletes the "Technical Direction" Clause from the contract since this function will be assumed by the Contractor under Contract AF 04(647)-481.
4. No additional information is reported on production status of contract.


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