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

REPLY TO
ATTN OF: LBZS

29 October 1959

SUBJECT: Weekly Diary 22 Oct 59 Through 28 Oct 59

TO: LBG

Attached are the weekly diary items for Space Projects office.



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

2 Atch:

1. Weekly Diary LBZSP (C) 1 pg.
2. Weekly Diary LBZSA (C) 2 pgs.

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59 LBZS 4393

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WEEKLY DIARY ITEMS - LBZSA

22 October 1959 Thru 28 October 1959

(c) SR-183 Lunar Observatory - Final Reports

During the week of 2 November 1959, six contractors, three of which are under contract and three of which are on an unfunded basis, will make formal presentations to WDZ in the Auditorium of Building 2 which will summarize the results of all work performed under this SR program. In addition to the technical aspects of installing a Lunar Observatory, presentations of the economic factors will be discussed. LBZSA will probably assist in the abstract of cost factors, after which WDZ and the Rand Corporation will formulate a "budget" for presentation to Headquarters ARDC.

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

CCN Nr. 2 to this contract was interesting in that it directed Boeing to perform research on the top of Mt. Rainier to see how it would be like living on the moon. One of the requirements of the CCN was that Boeing was to clean up the mountain top after they were through because the National Park Service does not want the natural beauty of their park mutilated by Air Force debris. However, Boeing was unable to clean it up before they came down from the mountain because winter weather set in, making it necessary to postpone this task until next summer, at which time it will probably cost six times as much because a special expedition will have to be made back to the top of the mountain.

We will probably definitize the CCN without requiring site clean-up and reserve this task until next summer.

(U) Communication Satellite Program

Letter Contract AF 04(647)-376 was given to General Electric for signature on 22 October 1959 and will probably be returned next Monday, 2 November 1959. Negotiations for definitization began Monday, 26 October 1959. This contract had previously been negotiated as of 23 September 1959 (including cost, fee, general provisions, and work statement) and the definitive contract had been written. However, LBPP decided that we should have taken advantage of General Electric's offer to sustain the first \$1.7 million of any overrun (See LBZS Diary 1 October 1959 and 8 October 1959) so the recent negotiations centered on the legal phraseology to express this thought. In return for this "cost-sharing" feature, General Electric revised their fee from the \$350,000.00 negotiated on 23 September 1959 to the \$371,000.00 specified in the cover letter of their original proposal. These negotiations will be concluded by 2 November 1959 and the contract signed off by 1 December 1959.

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59 LBZS 4393

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

The 609A Program as it pertains to this contract has been revised this week and now calls for ten launches instead of nine. AFMBD is now in the process of revising their NASA requirements, and as soon as we are notified officially by AFMBD we will amend our original Delivery Orders to NASA for Scout Components to revise quantities and delivery dates.

(U) Contracts with STL, Inc.

Contract AF 04(647)-309 - SE/TD in Support of Air Force Ballistic Missile and Space Programs

An evaluation of the level of effort required to fulfill the current requirements of the statement of work in subject contract clearly indicates that the negotiated level of effort is inadequate. We are therefore contemplating amending the contract to increase the level of effort by 526 MTS man months. A letter contract amendment is currently in process to cover this additional requirement. We are also working on a complete RFP for SE/TD and Air Force support to cover the period from 1 July 1960 through 30 June 1962. We hope to have the RFP to the Contractor no later than 15 November 1959.

(U) Survey of Space Programs

P This office and LEZJ are preparing a survey and identification of present and planned space programs. This survey is intended to portray the number and magnitude of significant Space Research and Space Study projects for a number of years in the future. Information gathered is to be used immediately for consolidation with a similar Weapon System Survey and presented to higher Headquarters. Secondary benefits will accrue from the existence and availability of such information in one summary.

WEEKLY DIARY ITEMS - IBZSP

22 Oct Through 28 Oct 1959

(U) Procurement of ABLE-STAR Booster

Oral presentations were made to the Selection Board on 21 and 22 October 1959 by the six responsive offerors. The Board is now preparing to recommend a source to the Staffs and Commanders of AFEMD and AFEMC. A purchase request is in process and the award of a letter contract is expected before 15 November 1959.

(U) Douglas Aircraft Company, Inc.

1. (U) Letter Contract AF 04(647)-481 for Systems Engineering and Technical Direction is in the final stage of review by the Contractor with execution and return scheduled for 30 October 1959.

2. (U) The Contractor returned Supplemental Agreement No. 52 to Contract No. AF 04(645)-65 on 26 October 1959 after signing, subject to the inclusion of the "Hazardous Risks" Clause and the changing of the period of coverage of launch capability. The supplement is being re-written to incorporate these changes.

3. (S) Contract AF 04(645)-65 - Production Status - There has been no movement of missiles since the last diary date, however, one launching of a Flight Test type missile is tentatively scheduled at Patrick AFB prior to the end of this month.

(U) Long Range Valve R&D Program

The Pneumatic Solenoid Valve, developed under Contract No. AF 04(647)-160, Rocketdyne Division of North American Aviation, has such a good potential that the Project Office is increasing the quantity from ten to twenty. These additional ten valves will be used to solve some of the valve problems in the Ballistic Missile Program. The Project Office plans to use this valve to replace a deficient helium valve in the TITAN Missile. Rocketdyne will require approximately twelve weeks for the delivery of the additional ten valves.

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