

L. H. Armstrong
2/26/66~~Secret~~Where We Stand as of 26 February, 1966

In the time span between now and the launch on 15 August what are planning and what do we ~~hope~~ hope to accomplish by launch time? In a general answer, we are trying to (1) improve the quality of the data, (2) provide a timely response in reporting new and unusual signals, and (3)

Specifically on #1, the receiving sites, we are building new receivers with improved pulse response and delay characteristics. We are installing new antennas with an Az-El capabilities and more gain. We are trying to update at least two sites with this new receiving equipment, ^{one} in the east and one in the west,

~~is~~ is a problem in that ~~remedied~~ no definite date for the promised building has been given which is reasonable for the completion of the up-dated site before the launch. All other aspects of the general data improvement are moving along on a schedule which will allow complete up-dating by approximately 1 August. ~~there~~ there are no plans for installing new equipment, in time for the launch, but it is a location which will provide high interest signals and an improved site could be effected if a building were available before the scheduled October, 1966 date, which could these signals.

On item #2, Quality Control reportings, we have a demonstrated capability in ~~for manually~~

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control system only~~

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obtaining "new and unusual" signals in a few hours and sending the information back to the states by dispatch which has been highly successful. We have a more limited capability being built up in the [redacted] Since the installation in January of a limited quality control position the site has been having relatively good success in finding the "new and unusual" signals. This effort can be expanded if x room for the better and more complete equipment were available, but as mentioned earlier there is no definite date of availability. [redacted] has a limited quality control position, but they do not cover an area where many "new and unusual signals are heard. They have obtained several new signals, however. [redacted] it would be desirable to install a limited quality control position to cover the highly interesting [redacted] areas,.

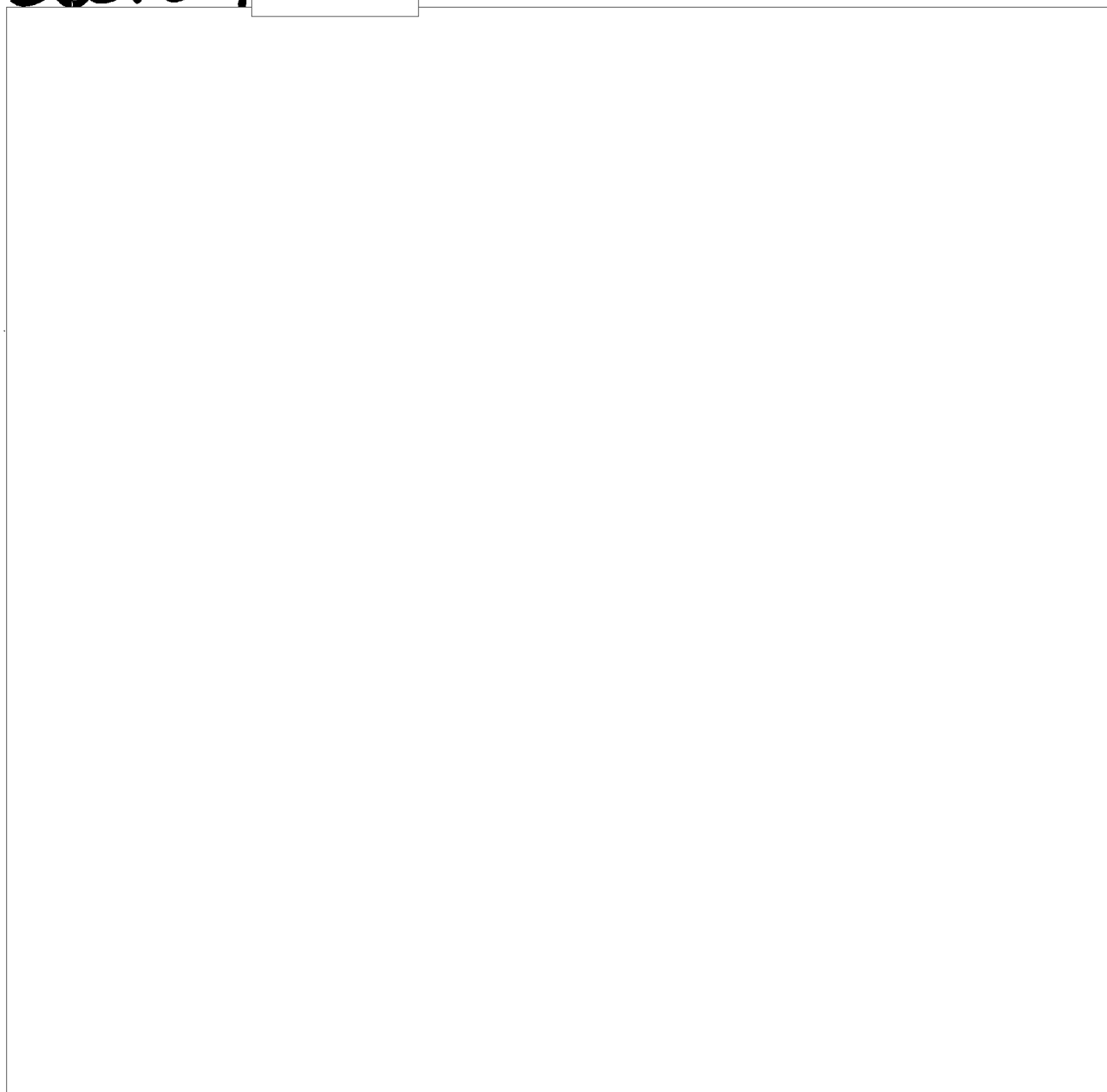
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4.



In summery overall progress is baing made towards
obtaing good quality, timely and accurate data, but several
important aspects i.e. a building for the project in the
[REDACTED] and two minimum skew wide band tape recorders
for better data quality are in need of being started.

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General Program Status
as of 26 Feb. with

Target dates for phase

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[]
Limited capability, need
a building to install complete

[] not satisfactory status

[]
Training underway,
need building to install equipment

Timely + Unique
Signal Recognition

100% ready

[]
Limited capability available

Sites Equipment

[]
Updating to start 1 May
Completion by 1 July

[]
No updating planned (Need Bldg.)

[]
No building available,
need 6-8 weeks for installation; hence require Bldg. 1 June

[]
75% completed, 1 1/2
weeks required, complete 1 June

Site
Up-dating

Antennas

ALL new antennas available by 1 May

Receivers

Completed by 1 June

Wide Band Recorders

No orders placed yet

Recorders
Minimum time distortion
wide band recorders
Not on order yet

Basic Study of system
Completed 17 Feb.

Programming
new fast response program
available for testing 1 June + 1 July

Bruce Wald's
analog to digital converter
prototype testing 1 June

Automatic
design completed hardware
under construction prototype 1 July

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Launch
15 August

Success

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