

Notes concerning the [redacted] 1961:

July 61

~~Secret~~

[redacted] plan to be able to provide as shelf items, the Shell, Battery and Solar recharging Systems and the Telemetry system. Into this package he could then integrate our experiments with a minimum of effort and lead time being required. He imagines that they could fly within six months following the receipt of the funds to cover the system tests and launch.

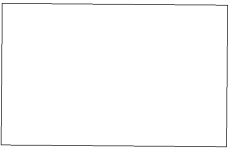
~~will spell out the~~ Three experiments which are being planned for FY-62 (Oct, Feb and May-June). At present they will all be 24 inches in diameter, weigh about 100 pounds and will all operate similar to the one already there. The Criteria for the selection of intercept frequency coverage is (1) National requirements and (2) the compatability with the design situation of the system as a whole. In every case the one collection system will be chosen where the assurance of getting data <sup>is</sup> ~~is~~ great, therefore "S-band" will be used early in this series of experiments and then one portion of "L-band" will be selected, depending on the success on the May experiment. The other two collection bands on any one experiment will be selected to fulfill an urgent National Requirement and at the same time will be related harmonically so that the antennas and hybrid phasing networks are of the highest efficiency most dependable design. Experiments in the 150 to 250 mc band are ~~of great~~ in demand due to the National requirements but they also present technical problems as yet unsolved; work is continuing along this line.

It is felt that the second time an experiment is flown in a given frequency band that an effort can be made to provide <sup>rough</sup> frequency definition by splitting ~~the~~ the band into many discrete narrow bands and switching rapidly between these bands or by command, activating each of them in succession, and statistically examining the results of each frequency band.

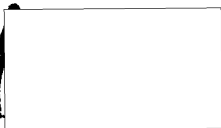
HANDLE VIA  
COMINT  
BY MAN-TALENT ONLY  
CONTRACT SYSTEMS

Handle Via  
Talent-keyhole  
Channels  
Only

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Notes concerning the act[redacted] re Experiments;

151.5 to 180 embrace [redacted] at 153 power unknown  
at 172 with plenty of power *6 Mw*

Data Link considerations move the lower frequency up to 168 mc.

ITEM # 2.

180 to 250mc

No High power stuff known yet, Some US moderate power stuff  
and possibility of other high power tubes have been develop[redacted].

250 to 560

620 to 810

920 to 2600mc some [redacted] at 1200 mc/x.

C-band activity, will determine the frequency later.

In the 810 to 920 band 90% of the activity is in two bands, one between  
825 and 835 and the other between 892 and 898

HANDLE VIA  
BYEMAN-TALENT-KEYHOLE-COMINT  
CONTROL SYSTEMS JOINTLY

Handle Via  
Talent-Keyhole  
Channels  
ONLY

~~Secret~~

