Approved for Release: 2024/06/08 C05025865

TO SECRE

TC3

Promi

Chairman TOG

.

H. O. Lackson

Bubi: Pains Pretion

BYE-057381+ 1999

TOP SECRET

JAN 1 5 1962

The author was reconstant to chair a subsproup to complete a future program for the Navy's Sciellite effort. Two interim reports have been written create forth certain conclusions and recommendations.

In that cartain TOG approved decisions have already been made.

1. The Navy would continue to plan for a four frequency band qualifie Coolen commencing with the April shot.

2.

- 3. The best approach to the fixing problem at present
- 4. The Navy's program be outlined to cover as completely as possible the radar frequency spectrum.
- 5. Should NSA's proposal to Dr. Charyk for a simultaneous launch of a two ball gratem be approved the Navy's program be tailored to compliment this proposal.

Attached is a chart of the program as proposed. It is felt that this arrangement will permit a combining flexible program for the Navy with the possibility of utilizing simultaneously the higher numbers in a combined two ball launch preferably Numbers 5 and 6 or 6 and 7 should be utilized in this launch if approved.

H. O. LORENZEN

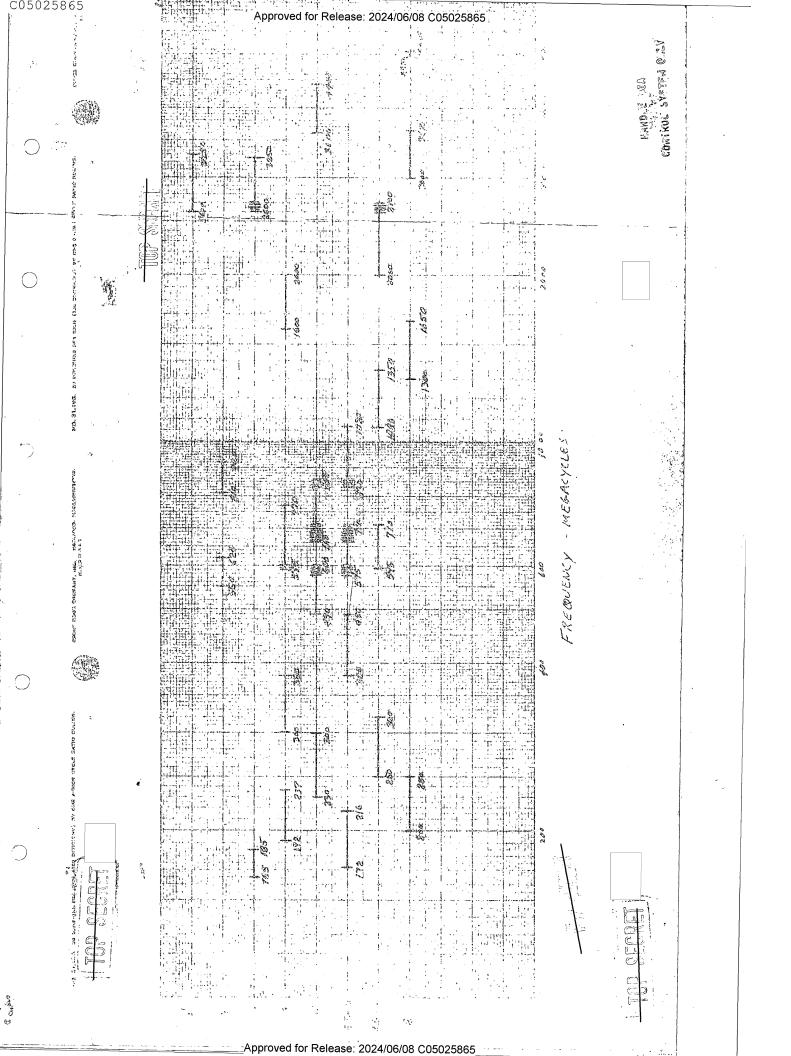
TOP SECRET

Cominor Sasiem Oura Baeuva Nymore May



JAN 1 6 1962

Even	IUI		Coverage Rends	المعارضة والمعارضة والمعار	ni dam sir nisti kapananaki inisi njik sakandanakaning i dalam izanita, nyapin nakamin ni sir nisi	mattichion.
1.	-				2600 - 3250	
2.		550 - 620		810 - 920		
3*	165 - 185				2600 - 3250	
Ļ.	192 - 237	<b>330 - 38</b> 0	595 - 770		1600 - 2000	
5.	230 - 300	490 - 600	665 - 855		3500 - WADO	
6.	172 - 216	380 - 1150	575 - 710	830 - 1080		
7.	250 - 320	595 - 770		1080 - 1350	2000 - 2700	
8.	200 - 250		1900 _ 1600	ana sen	haen enen	



110100

Thursday, January 25, 1962 THE WASHINGTON POST

## 

By John G. Norris Staff Reporter

CAPE CANAVERAL, Jan. 24-The failure of the "buckshot" satellite launching vehicle this morning presents a graphic example of what scientists, face in seeking major space advances.

Compared to the two space spectaculars tentatively slated for Friday and Saturday-the moon and the man-in-orbit shots - today's purely scientific project was lacking in glamor.

Yet the attempt to launch five satellites at once, utilizing a novel and relatively inexpensive new method, promised significant gains in space science, a field in which the United States has consistently led Russia.

And it brought home to scientists of the National Aeronautics and Space Administration, hoping to get Astronaut John H. Glenn into orbit and Ranger III off in the right trajectory toward the moon this week, how the malfunction of one of many thousands of parts can result in delay or disaster.

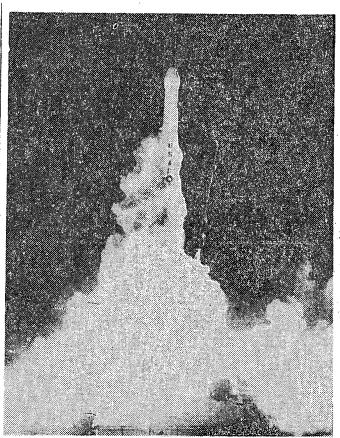
Mercury Operations Director Walter C. Williams announced in the usual end-ofthe-day developments report that "Work is proceeding on schedule for an orbital launch urday, Jan. 27."

And unofficial reports had the reassembly of the Atlas shot proceeding well.

Convair engineers took unusual step of "pulling" sustainer engine from the las while the huge rocket in upright position for launching, in order to repair the fuel

tank. If allagoes well Ranger III may be off to hand, ments on the moon Friday afternoon.

If this deadline is missed, they may try again Saturday afternoon, although it will be



Associated Press

This is how a Thor Able Star rocket carrying five satellites lifted off its Cape Canaveral launching pad yesterday, only to have a second-stage malfunction prevent putting its multiple payload in orbit.

touch and go to avoid conflict return to a favorable relative attempt no earlier than Sat- with the Glenn flight should position late next month. it be late getting off Saturday morning.

launch vehicle for the moon ing have to be postponed be moon shots to get off this ect.

All this means that every thing must click for the man-Should the Mercury launch in orbit and second billed engineers earth mapping proj-2:30 p. m. Saturday, it week, and the odds are against NRL scientists said they cted to go over until all going well in the highly have no immediate plans for y, while if the moon complex satellite projects.

star launcher, with five satellites ranging in weight from eight to 59 pounds packed in its nose, went off all right. The second stage separated from the Thor booster and was started in the air, but failed to build up enough velocity to carry into orbit.

It dropped in the Caribbean Sea from about 50 miles up. Six of nine Thor-Ablestar satellite shots have been successful.

"Buckshot" — officially known as Composite I-was conducted by the Naval Research Laboratory and sought to put up five instrumented 'moons," each of which would have sent back different types of information.

Such multiple läunches have been pressed by the Navy as a means of collecting scientific data much more economically than by sending up satellites separately. They might also mark the way for commercial applications of space. In the establishment of world wide communications and TV systems, for instance, large numbers of orbiting satellites will be required.

The five satellites in "buckshot" would have taught scientists more about the dangers to astronauts of the Van Allen belt radiation, measured the suns X-ray emmissions, studied radio wave propagation, and provided more precise calibration for the Navy's space surveillance system and Army

repeating the projects, as they delayed beyond Satur It is not known just what must first get the Air Force critical, it must be put went wrong in today's "buck to schedule another Thoraptic the inoch land earth shot" launch. The Thorable Ablestar launching. It is not known just what must first get the Air Force

## Steel Flaws Delay Big Telescope

By Howard Simons Staff Reporter

A little understood steel

lapsed in 1944, taking 128 pany for the making of new lives;"

defect that has plagued engi-sponsible for the sudden as were the ori neers and metallurgists for splitting open of a giant moaused a lesses tank in Boston in 1919 signed as a

parts, some of which will be Brittle fracture was also re least, rather than fabricated,

The 140-foot. Approved for Release: 2024/06/08 C05025865 a instrument for