

~~SECRET~~

WHEN WITH ATTACHMENTS

OFFICE OF THE SECRETARY OF DEFENSE

January 12, 1959

MEMO FOR Mr. Albert P. Toner
The White House

The attached items are submitted by the Department of Defense for possible inclusion in the daily summary for the President.

Item 3 has also been forwarded to Dr. Killian.


O. M. Gale
Special Assistant

Attachment

(4 items)

3:45p

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SecDef 73-61
WHEN WITH ATTACHMENTS

Declassified to Secret
Date: 22 AUG 2006
Chief, Document/Records Branch, DOD

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1/13 Defense (Brownson) phone -
date postponed until Thurs. (1/15),
and possibility of postponement for
a couple of weeks S.M. -
(Phone to Alice 1/13).

- 3. Initial Launching of the Discoverer Satellite.
~~(Confidential)~~
SSN# 2 6#482
(Reference item 1, January 7, 1959 report, and
item 1, January 9, 1959, report.)

1/12 Phoned in earlier
in day by Brownson
(reference) for
14 & date for
phone to
Alice 1/12 S.M.

This launch is now definitely scheduled for January 14, 1959,
between 1100 and 1500 hours (PT).

4. Army Development of Lightweight Communications
Equipment. ~~(Confidential)~~

Engineering construction developments which have made
possible a radio receiver which fits inside of a common fountain
pen are being applied by Army R&D to the development of lightweight
communications equipment, including command net radios, automatic
switching centrals, computers and fire direction equipment.

The project is directed toward developing very small working
sub-assemblies, each electronic part of which will be fabricated in
the form of a tiny ceramic wafer -- always of the same size in con-
trast to the variety of shapes and sizes of present parts for Army
electronic equipment.

Army electronic equipment can now be designed so that at
least 90% of the circuits are contained in a number of small, plug-in
boards or modules, using printed circuits and transistors. Such
modular construction will reduce field maintenance to a simple
"go--no go" check to identify and replace a defective module. A
few well-trained technicians in an assembly line organization will
repair these modules, thereby eliminating intermediate repair
echelons.

DoD 1-12-59
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