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1 July 1959

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From: Code 5430, U. S. Naval Research Laboratory, Washington 25, D. C.
To: Deputy Director of Naval Intelligence for Naval Intelligence
Subj: Connolly Report on Space and Astronautics

1. Volume I has references to TATTLETALE on pages 17, 40, 49, 50, 54, 69, 70, 93, 104 and 166. This is perhaps not all, however, it was all noted in a very fast scanning which was permitted. Pages 40, 49, 54, 98 and 166 probably would not require any changes.

2. On page 17 the following changes are recommended:

a. An example - studies in support research is the proposal for the development of an electronic intelligence satellite, TATTLETALE, which the Navy forwarded to ARPA for consideration.

3. On Page 50 the following changes are recommended:

(d) Date completion of Development is Required

An interim ELINT Satellite is required covering either "S" or "X" band by mid-calendar year 1959 or as soon thereafter as possible.

4. Page 69 - Suggested changes.

(2) The Navy has proposed sponsorship of an ELINT - collecting satellite TATTLETALE . This would be a simple vehicle capable of meeting national intelligence requirements - requiring minimum R and D. Support has not been forthcoming to date and the future of the TATTLETALE proposal is undetermined.

5. Page 70 - Paragraph (2) can probably remain as written.

6. Page 104 - Paragraph (5) - Suggested changes. Studies covering the TATTLETALE (ELINT) Satellite proposal is currently being supported by "in-house" Navy funds.

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7. In Volume II Project TATTLETALE covers pages F-33 figure 21, figure 22 and page F-34. No other reference to this project was found in the hurried scanning of the publication.

Program Description : Proposal for a simple satellite to provide early and relatively inexpensive electronic intelligence coverage of the USSR. (Remove Figures 21 and 22).

Brief History - In June 1958, NRL developed a proposal for an Elint Satellite. A short report was submitted to CNO in October 1958. CNO sent the proposal to ARPA in February 1959. ARPA funds for support of TATTLETALE do not appear to be available. There is also a problem of obtaining a booster to put up an R and D TATTLETALE model.

Funding - BUAER has funded TATTLETALE studies carried out by NRL out of ECM research Navy money.

Description of Program - The objective of the TATTLETALE proposal would be to provide a simple one band satellite which would give information on USSR Radar as follows, Antenna Scan Rates, Pulse Repetition Rates, Type of Radars, and Radar Disposition, etc. Vanguard type techniques would be employed and a life of one year was predicted.

Other Pertinent Data

As written

I hope this will take care of the rearrangement you suggested, ADMIRAL Reed. I have passed a copy of this Memo to CAPTAIN Berg for action in making the changes if you concur.

H. O. LORENZEN
Head, Countermeasures Branch

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