

~~TOP SECRET~~

NAVY DEPARTMENT  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
Washington 25. D. C.

MEMORANDUM

13 Nov. 47

**From:** Chief of Naval Communications  
**To:** Chief, Army Security Agency (Col. H. G. Hayes)  
**Subject:** Analysis and Discussions of Present and Future Status of CCM  
**Reference:** (a) Your TOP SECRET ltr CSGAS of 22 Oct 47, same subject.

1. Receipt of reference (a) is acknowledged. The report contained therein appears to be correct.

2. A further meeting on the same subject was held on 29 October in the office of Captain L. F. Safford, U.S.N., at which representatives from each service were present. At this meeting the Army presented an alternative to the Navy's original proposed modifications to improve the CCM. This alternative did not require reverse motion of any rotors but did require that certain back contacts be installed. It was agreed that the Army's proposal was excellent cryptographically, but impracticable mechanically, as determined by two years experimental tests by the Navy with similar circuits involving back contacts. In light of this experience the Army representatives agreed to reconsider the matter, and to inform the Navy of their views.

3. It would be appreciated if an early reply could be received stating what objections to the Navy's proposal the Army may still have, recommending changes to correct, if possible, the faults to which objection is made.

4. In the meantime, the Navy is proceeding with production of a limited number of modified machines for the purpose of conducting operational tests.

5. Incidentally, may we soon be given the Chief of Staff's answer to the Chief of Naval Operations on the matter of formalizing our crypto committee work? I think that would be helpful to conclude.

/s/ E. E. Stone

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