## REF ID:A2436084

-CONFIDENTIAL

17 November 1949

QUESTIONS ABOUT THE BOM (CSP 3800A) WHICH THE BRITISH MAY ASK, AND ANSWERS THERETO

- 1. Q. Can British take 3800A to England?
  - A. After British have officially accepted the BCF as the US-UK highest level crypto device.
- Q. Circuit diagram and description of operation to England?
   A. Same as answer to #1.
- 3. Q. How long will it take for combined purposes to replace CCM with BCN? A. Until 1 Jan 1952 at the earliest.
- 4. Q. How secure is BCH compared to CCM?
   A. All possible weaknesses of the CCM have been overcome in the BCM including -

Lobsters End rotor off Short cycle lengths. The security of BCM is regarded as greatly superior to the CCM.

- 5. Q. If we adopt BCM now, as it stands, what are the prospects for even greater security at some future time, on a not too costly basis.
   A. (a) Changeable tires.
  - (b) Add 2 effective rotors to the maze.
- 6. Q. Can the TYPEX be adapted to work with the BCK?
  A. Yes. 7-rotor adaptation, 2 dummies. Proposed adapter will work with 5-rotor BCW, 5-rotor CCH, or 7-rotor machine.
- 7. Q. Why use durmies? Why not make them live rotors?
   A. There is no means at the present time of adapting U.S. CCM machines to the 7-rotor design, but research is in progress.
- 8. Q. If BCM is for highest level, what will be used for medium level? A. Use BCM with different rotors.
- 9. Q. What are the proposed US-UK physical security requirements?
  - A. (1) Register, and account for at least quarterly to a central office of record, all component parts, i.e.:

Machine Baskets Hotors Key lists

- (2) Stowage.
- (3) Hazardous duty restrictions.

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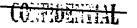
COMPRETINE

17 November 1949

QUESTIONS ABOUT THE BCK (CSP 3600A) WHICH THE BRITISH WAY ASK, AND ANSWERS THERETO CONT'D

- 10. Q. Would the U.S. authorize the manufacture, for the British, by the U.S. manufacturer, a sufficient number of the U.S. type of BCK, namely CSP 3800A, provided the British pay the cost?
  - A. Yes if legally practicable. No objection by Armed Services but there may be legal obstacles to overcome.
- 11. Q. Will U.S. give British Jigs and dies? A. Not feasible.
- 12. Q. Will U.S. lend British jigs and dies? Not feasible.
- 13. Q. British would like the blueprints to manufacture in England.
   A. No because of patents involved. Would have to have a license from Teletype.
- 14. Q. Is the U.S. prepared to compare the merits of BCH versus a proposed new British machine?
  - A. No. This is a conference about the BCM.
- 15. Q. British indicated unofficially that they would like to discuss low-echelon security equipment.
  - A. Will be discussed at conference on Monday, 21 November, at 11:00 a.m.

L. F. Safford Geptain, USN AFSA-113



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