ARLINGTON HALL STATION

Date 20 April

TO FROM

- Commanding Officer
- Asst Commandant
- ✓ Dir Of Com. Research
- Administrative Officer
- Asst Admin Officer
- Adjutant
- Asst Adjutant
- Chief, Admin Branch
- Info & Liaison Branch
- Chief, A Branch
- Chief, B Branch
- Chief, C Branch ✓
- Chief, D Branch
- Chief, E Branch
- Chief, F Branch
- Chief, G Branch
- 2d Sig Serv Bn.
- Dir of Training
- Property Officer
- Intelligence Officer
- Personnel Officer
- Provost Marshal
- Post Engineer
- Classified Mail Room
- Secretary to C. O
- General Files
- 201 Files

- Comments and Return
- Recommendations
- Information and Return
- Information and Forwarding
- Information and File
- Signature, if approved
- See Note on Back
- As Requested
- As Discussed
- Your Action

Col Adcock

I concur in this - Transportation systems generally do not lend themselves to practical development. DT as presently used is adequate for our requirements.

JFR

ROUTING AND WORK SHEET

SUBJECT Transposition Device

Number each action	To—	Memorandum	Name, Division or Branch, and Date
1	Dir. of Communications Research THRU. Chief, C Br.	1. Analytical study has been completed on the transposition device submitted by Col. Tiltman. 2. The study showed that this type of transposition possesses a high degree of security, solution depending upon the occurrence of at least four messages in depth so that anagramming is possible. No solutions were effected on messages not in depth. 3. From an operational viewpoint, however, the device showed several physical disadvantages. a. Both encipherment and decipherment were slow and subject to error. b. The device is cumbersome to handle and difficult to use. c. The glass surface does not take ink, pencilled letters will not wash off, and the letters are at all times difficult to read. d. The blacked-out portions smear when exposed to dampness. Black, gummed, removable tape would be more satisfactory. 4. Some of the above physical objections could perhaps be overcome, but it is not believed that the need for a new transposition system is sufficient to warrant developing a device similar to this one.	Joseph J. Martan Major, SPSIC-4 Ext. 261, 20 Apr 44 FCA, Ext. 262