

File

SECRET Sheet - 1954 Stamp Working Papers
 TO: Members of Classification Advisory Panel: FROM: TECHDIR/PROD DATE: 10 Jan 55 COMMENT NO. 4
 (1) Ch, Cryptologic Br, TNG
 (2) AG (in turn)

PL 86-36/50 USC 3605

1. The paper "Cyclic Phenomena in the Partition Function" is by content unclassified. It is conceivable that [redacted] of GCHQ, and that his "remark," the substance of which is quoted in the paper in question, was actually uttered in a classified document. Even if this is so, the content of his "remark" is not classified. I recommend that the Edmondson/Whiteman paper be declassified entirely.

2. The paper "An Exhaustive Search Technique for SHOELACE" is written in language which makes evident to a knowledgeable mathematical reader the existence of a particular technique which is successful against some high-level problems, and discloses the degree of effectiveness (mathematically) to which that technique has been refined. It also relates SHOELACE and BOOTSTRAP by specifying their essential difference. The paper might have been written in a form to justify its being published as "Official Use Only"; since it was not, I recommend it be classified Top Secret.

3. The paper "On the Statistics of an Unknown Rough Population" represents a critical reappraisal of Agency technical thinking on sampling problems, and so discloses certain philosophical approaches to problems. In essential content, however, it is a refinement of an unclassified result by [redacted] of GCHQ, a result published in the journal Biometrika, and is properly a legitimate research extension thereof. I reluctantly conclude, then, that the paper in its present form must be classified, and recommend that it retain its present classification of Confidential.

4. The paper "On the Sum of Permutation Matrices" is an explicit solution of a certain phase of three major cryptanalytic problems before the Agency. It is furthermore the sort of paper which by the essential inclusion of numbers such as 5 and 32 cannot in any way be disguised. I consider the paper in question to be Category 3 material, and recommend it be classified Top Secret Codeword.

5. The remaining papers seem to be appropriately classified. I recommend, however, that the papers "A Modification of the Simple (Mod 2) Koken Machine" and "A Modification of the Simple (Mod 2) Koken Machine II" be referred for comment to DD/COMSEC, who has primary cognizance over U.S. cryptographic equipment. The Koken Machine is an integral part of several high-level U.S. equipments.

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 Production

Inclousures
 n/c

cc: Mr. Friedman, S/ASST (w/o Incl.) ✓
 SEC (w/o Incl.)

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