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Memorandum 6M-3405
Supplement 1

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Division 6 - Lincoln Laboratory
Massachusetts Institute of Technology
Lexington 73, Massachusetts

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SUBJECT: EDITORIAL SUPPLEMENT, BIWEEKLY REPORT OF 25 FEBRUARY 1955

To: Jay W. Forrester

From: John B. Bennett

COVER SHEET

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J. C. Proctor

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INTRODUCTION

Repetition is a common means of stressing a point. This issue of the Supplement repeats previous enjoiners to read, revise, and rewrite all written material. It also repeats earlier suggestions that the Biweekly not be used as a time card. In addition, there are included two acceptable forms of heading systems.

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I. REVISED COPY

Auxiliary Memory (Original Copy)

(R. P. Mayer, N. T. Jones) (UNCLASSIFIED)

~~No comments have been received from the IBM people quoted by the Auxiliary Memory Study Group. The summary reports, 6M-3349 and 6M-3350, are now being completed for publication.~~

Auxiliary Memory (Authors' Revision)

(R. P. Mayer, N. T. Jones) (UNCLASSIFIED)

The Auxiliary Memory Study Group is preparing a memo summarizing the data collected by the Group. The memo is in two parts, 6M-3349 (unclassified) and 6M-3350 (confidential), and is nearly ready for publication. It is based on an interoffice memo published 19 January. Although comments on the latter memo were requested from IBM, none have been received.

Comments

This Supplement has often presented material which has been edited and revised in the interests of brevity and clarity. This editorial process is by no means the prerogative of the Publications Section. The example above was rewritten by the authors when it was suggested that the original version was somewhat unclear. Ideally, of course, rewriting would have been accomplished before, not after, submission.

(Original Copy)

(S. Manber) (CONFIDENTIAL)

~~During the last biweekly period, I have been a guide during Demonstrations for two days, and recruiting new personnel at Clark University for one day. In addition, two afternoons have been spent as an instructor in the new indoctrination course. The remaining time was spent modifying and documenting the Cape Cod System tracking program.~~
I spent some time correcting

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Comments

It is taken for granted that Laboratory personnel are conscientious in giving the Laboratory the full time for which they are paid. Using the Biweekly as a time sheet is therefore unnecessary and contradicts a fundamental purpose of that Report -- to record progress.

II. MISCELLANEOUS

Heading Systems

Recent queries have dealt with the proper use of heading systems. Two systems are in general use--the decimal (used in the Biweekly) and the numeral-letter. Of these, the decimal system is the more common in technical documents. The accepted form for each appears below.

Decimal

1. First-Degree Heading

1.1 Second-Degree Heading

1.2 Second-Degree Heading

1.2.1 Third-Degree Heading

1.2.1.1 Fourth-Degree Heading

1.2.1.2 Fourth-Degree Heading

1.2.2 Third-Degree Heading

* * *

1.2.10 Third-Degree Heading

1.3 Second-Degree Heading

2. First-Degree Heading

Do not make the error of using the decimal point between "1" and "0" in "10" (et seq.) if any part of the system is carried that high.

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Numeral-Letter

1. First-Degree Heading
 - A. Second-Degree Heading
 - B. Second-Degree Heading
 1. Third-Degree Heading
 - a. Fourth-Degree Heading
 - b. Fourth-Degree Heading
 2. Third-Degree Heading
 - C. Second-Degree Heading
- II. First-Degree Heading

The decimal system can be extended to fifth or sixth degrees or higher by the addition of decimal points and the appropriate numbers; the numeral-letter system can be extended by the addition of further Arabic numerals and lower-case letters (enclosed in various combinations of parentheses).

III. REQUESTED COPY

The following copy was not submitted until requested:

Auxiliary Storage for New Computer

(F. Vinal) (UNCLASSIFIED)

Contemplated auxiliary storage for the new computer to replace some drum storage used in the past may be brought about by the use of small high-speed core memories.

Two proposals have been advanced, one for a very high speed coincident-current memory, with access time of perhaps 1 or 2 microseconds, and the use of a three-core-per-bit system, involving two switch cores and a smaller memory core. Experiments are contemplated with both methods. These problems were discussed with General Ceramics representatives during their visit of February 15, and it was agreed that General Ceramics would expend efforts in the direction of supplying suitable cores for experimental three-core-per-bit work, and that the Group 63 ferrite laboratory would work toward supplying cores for the high-speed random-access memories.