Memorandum

COPY

November 21, 1952

To: Prof. R. E. Scott

From: F. M. Verzuh

Subject: Proposed Undergraduate Subject on Computation

At the recent meeting on November 19, attended by
C. W. Adams, R. E. Scott and F. M. Verzuh, it was decided
that each of us would submit a brief description of the
probable content of the portion of the subject which they
would present. I am therefore attaching a description of
the punched-card portion.

F. M. V.

CC: Prof. P. M. Morse
    Prof. G. S. Brown

Punched-Card Computation and Data Handling

A study of punched-card equipment with specific emphasis on the principle of operation as well as the effective application.

The following outline summarizes the functional capabilities which will be covered on each machine:

Key Punch: Coding, key punching, printing, verifying, and the interpretation of data into punched cards.

Sorter: Card counting, numeric and alphabetic sorting.

Collator: Matching, merging, selection and comparison.

Reproducer: Gang punching, summary punching, reproducing and comparison.

Tabulator: Listing, group indication, printing, addition, subtraction, selection and automatic control.

Calculators: +, -, x, ÷, programming, selection, shifting operations by solution of the same problem on each of the 602A, 604 and Card-Programmed Calculators.