MEETING REPORT

SUBJECT: Review of Exchange with Planning Groups

Meeting Date: July 2, 1957

Present: Messrs. G. A. Blaauw
                     F. P. Brooks
                     W.   Buchholz
                     E. F. Codd
                     S. W. Dunwell
                     R. P. Fletcher
                     J. C. Gibson
                     R. A. Gregory
                     J. E. Griffith
                     H. A. Mussell
                     D. W. Sweeney
                     H. K. Wild
                     W.   Wolensky

Messrs. Wild and Fletcher reviewed the present definition of the Basic Exchange. The following questions were brought up during and after this review:

1. Number of adapters on Basic Exchange.

    Number that are presently planned is 32. It was agreed that this was a compromise between expandability and cost. This number will remain at 32 unless specific applications can be brought up which require upward revision.

2. Storage of instructions in the Exchange.

    This feature was questioned and the subject was tabled for further examination.

3. Reading multiple blocks with single control word.

4. Storage of control words to indicate data word in error.

5. Automatic backup of tape for error correction.

Points 3 to 5 will be reviewed by Mr. Wild's group.

6. More than 2 tape units on one adapter.

It was noted that this is a matter of designing Input/
Output units and does not effect the design of the Exchange.

7. Storage of interrupt signals in the Exchange.

This subject was tabled pending a general review
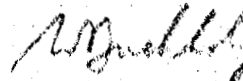by the planning groups of the interrupt system.

8. Transposing card image.

It was noted that the question of transposing buffers
is one that should be settled the same way for all future lines of
equipment.

9. Scatter read and scatter write.

The value of this feature is still a controversial item.
The Basic Exchange presently contains the feature, but the high
performance units do not. The subject was tabled for further
review.

W. Buchholz

WB/pkb