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EXCHANGE FILE MEMO

SUBJECT: Multiplexing Method for I/O Devices

An evaluation of methods of providing simultaneous operation of I/O devices through the Exchange has resulted in a departure from the method that has been described previously in descriptions of the Exchange, i. e., the magnetic core cross-point switch.

It has been decided that a switching arrangement utilizing standard transistor building blocks would have the following advantages over the magnetic core cross-point switch.

1. Useage of standard rather than special circuits.
2. Compatibility of adapters for I/O devices used on both 7000 and 700 series machines.
3. A better facility for obtaining modularity in construction.
4. An apparent greater ease in servicing, since the data always follows the same path between the I/O device and the Exchange in the new arrangement.

There appears to be the possibility in the new method to allow more versatile and flexible simultaneous operation.


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