

Digital Computer Laboratory
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SUBJECT: PROPOSED ADDITIONAL FUNCTION FOR THE READ-IN BUTTON

To: L. Holmes and A. Roberts

From: F.C. Holwig

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It is necessary (during director tape operation) for the group 11 program to distinguish between entry by pushing the read-in button and entry by the instruction, sp26. A choice based on the criterion of flip-flop resetting is not considered feasible since such resetting can be programmed.

A nearly absolute criterion is obtained if pushing the read-in button (in addition to its present functions) sets some digit (other than 0 or 1) in address register 0 (selected by sl198) to unity. Address register 0 is read by the group 11 program every time the program is used.

There still remains the remote possibility that an sp26 can be confused with pushing the read-in button (if the activate button corresponding to the above bit was pushed prior to executing the sp26 instruction). However, this can cause no confusion (to the group 11 program) unless a director tape is being used.

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