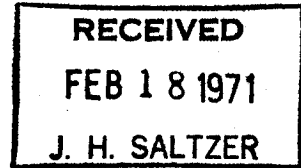


INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Telecommunications



February 10, 1971

To: Data Console Users

Subject: Data Sets - Model 113A

Bell System Model 113A data sets are beginning to appear on-campus. The 113A is a low speed (up to 300 baud), originate only, full-duplex serial data set. Call origination, control of the station, and disconnect are performed manually. The 113A, unlike the Model 103A which you are all familiar with, obtains its operating power from the telephone line; therefore, its buttons are unlit. It rents for \$10.00 per month as compared to \$25.00 per month for the Model 103A.

The 113A has the following controls (from left to right on the set):

- (1) TEST This is a locking button which places the data set in the test mode for remote testing with the telephone company.
- (2) SPARE
- (3) SPARE
- (4) SPARE
- (5) TALK This is a locking button which places the data set in the talk mode and may be used to terminate a data call when the handset is on-hook.
- (6) DATA This is a nonlocking button which places the data set in the data mode.

A description of the pertinent steps in the operation of the 113A as it would pertain to most M.I.T. data calls is as follows:

- (1) To originate a call to an unattended receiving station (i.e., a

Page 2  
February 10, 1971

time-sharing computer system), depress the TALK button, lift the handset, wait for dial tone, and dial call in the usual way.

If the unattended station (computer system) is ready to receive data, the station will answer automatically and send back a tone. Upon hearing this tone, immediately depress the DATA button. The sending station is now in data mode and transmission can begin.

(2) To terminate a call, if no conversation is necessary at the end of data transmission, an end-of-transmission code or sequence may be transmitted to the receiving station terminal equipment. This message may cause the terminal equipment to release the connection.

Also, you must always disconnect YOUR station at the end of data transmission by depressing the TALK button while the handset is on the switch-hook.

Should you desire additional information, call x4128.

  
M. Berlin

cc: R. Scott  
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