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REMOTE OPERATING UNIT

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This proposal describes a small remote control panel to be used with the Model 2825 control console. This panel will duplicate the most commonly used functions of the control console.

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Some of the manual switching functions will be done automatically. For example the ninth and tenth special character switches will be represented on the remote panel by two illuminated decimal readouts. This count will be incremented one count following receipt of an acknowledge message indicating a correct transmission. Two other decimal readouts will represent special character switches 7 and 8. They may be incremented by the operator with the "area update" push-button. By setting the local-remote switch to the REMOTE console) position, the operator can select the initial setting of the four special character switches (seven, eight, nine and ten). When the local-remote switch is returned to the local position, the decimal readouts will display the initial values the operator has selected.

Declass Review by NGA.

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REQUIREMENTS AND WORK STATEMENT

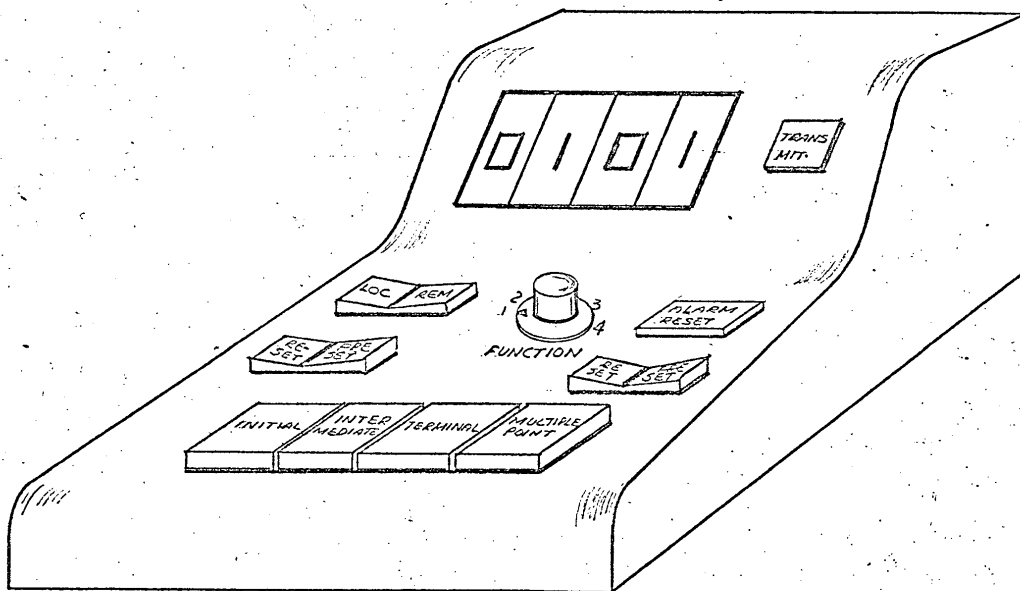
1. The main console will work with or without the remote unit being connected. When the remote unit is connected, selection can be made for operating from the remote or the main console.
2. The remote console will contain the following:
 - a. Four switches which parallel the INITIAL, INTERMEDIATE, TERMINAL and MULTIPLE POINTING switches on the main console. Activation of any one of these switches initiates transmission to the computer.
 - b. An ALARM RESET switch which parallels the alarm reset switch on the main console.
 - c. A TRANSMISSION light which parallels the TRANSMISSION light on the main console.
 - d. An AREA UPDATE switch which will increment the area decimal readouts and reset the point identifier to 01.
 - e. A five position FUNCTION switch to run in parallel with Special Character rotary switch, number five on the main console.
 - f. A MANUAL-REMOTE switch which transfers operation from the main console to the proposed remote console and vice-versa.
 - g. Four illuminated decimal readouts to monitor the last four special character instructions (Numbers 7, 8, 9 and 10). The two readouts on the left represent special characters 7 and 8. They may be set by switching to the main console and setting the special character switches to the desired number and then switching control back to the remote panel. The readouts will then display what has been set in the switches. A pushbutton (AREA UPDATE) may also be used to manually update these readouts. The two readouts on the right represent special characters 9 and 10 and may be preset as above. Upon receipt of an acknowledge message, these readouts are incremented one count. This will assure that no update occurs if the message was in error.

Provision has been made to plug in a foot pedal which parallels the "INITIAL" pushbutton. This provides the operator with a "hands-off" operation capability.

The proposed remote unit is shown in Figure 1. Magnets are incorporated on the bottom and rear surfaces to hold the unit in a place convenient for the operator. Interconnection to the main console is by an 8 foot cable.

Modifications to the main console will consist of adding or bringing out the necessary wires to a connector into which the remote unit is plugged.

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