

12/17/69

also

Computer to Computer comm.

Terminal to Terminal Conn

### Exec Functions (Possible)

Output Buffering

Standard Code Conversion

Bit rate independence

Control Discipline Standard  
Action Character detection

Error + Kill editing

Character canonical form

optimum device operation

line length, other escapes,

Terminal slowing

Ability to choose a service

Concentration for economy of devices.

Line id and id-1; Terminal identity  
Remote Port Breaking, etc.

Ability to know what type bill is in use

Security / Privacy / encrypting Service

Voice answer back

Statistics monitoring

Control / login / accounting

Interface to other networks or others.

Perfect Reliability; on-line maintenance

Artificial Drivers of other systems

Software busy signals for computer full

Message for computer down

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# Circuit Configuration:

APL / 91	80	103A's
CP167	24	103A's
TSS/360/67	<u>64</u>	103A's
	168	input ports

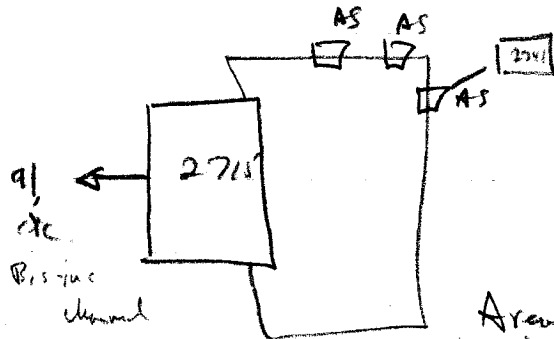
~~187~~ 180 Terminals 2241/1050 w/103A

## 2715 loop control

Up to 100 <sup>terminals</sup> Terminals on each loop

Up to 4 loops

bit rate 500KB  
 100-200 2241's  
 20-100 32KB display



"Area station"

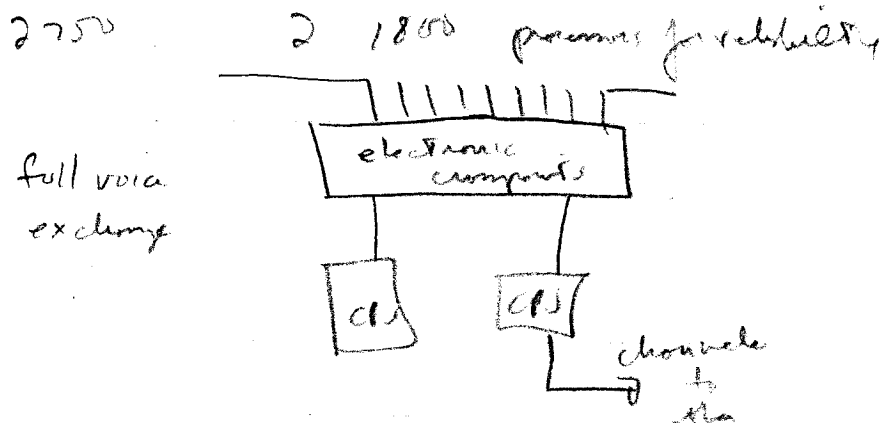
repeater power

comes thru loop

Area station repeats signal for the next one.

2750  
 2969  
~~244~~ Programmed Terminal Interface  
 (for Airline Reservations)  
 3968 Wall Toaster Computer

basically a reworked 360/40



Designed for voice, small size  
 750 line wgs ;  $\leq 100$  cells in service  
 250 line frame size  
 | side computer  
 Mainline modems

Probably can handle high service load / data

12/18/69

# IBM Watson Data Communication needs

Don Street

## Terminals:

200-400 2741's

Touch tone / voice response

2260, Display

Analog Sensors / EX peripherals

Satellite Peripherals

## Computers

444

360/41, 360/47/BS, 360/47/CP, 360/50,

Data exchange, word processing,

voice communications, statistical analysis.

## Personnel

Livermore 0 copies

2790/2715

Holmdel

ASD

IBM 2750 / Consultant

Datrex

Westinghouse