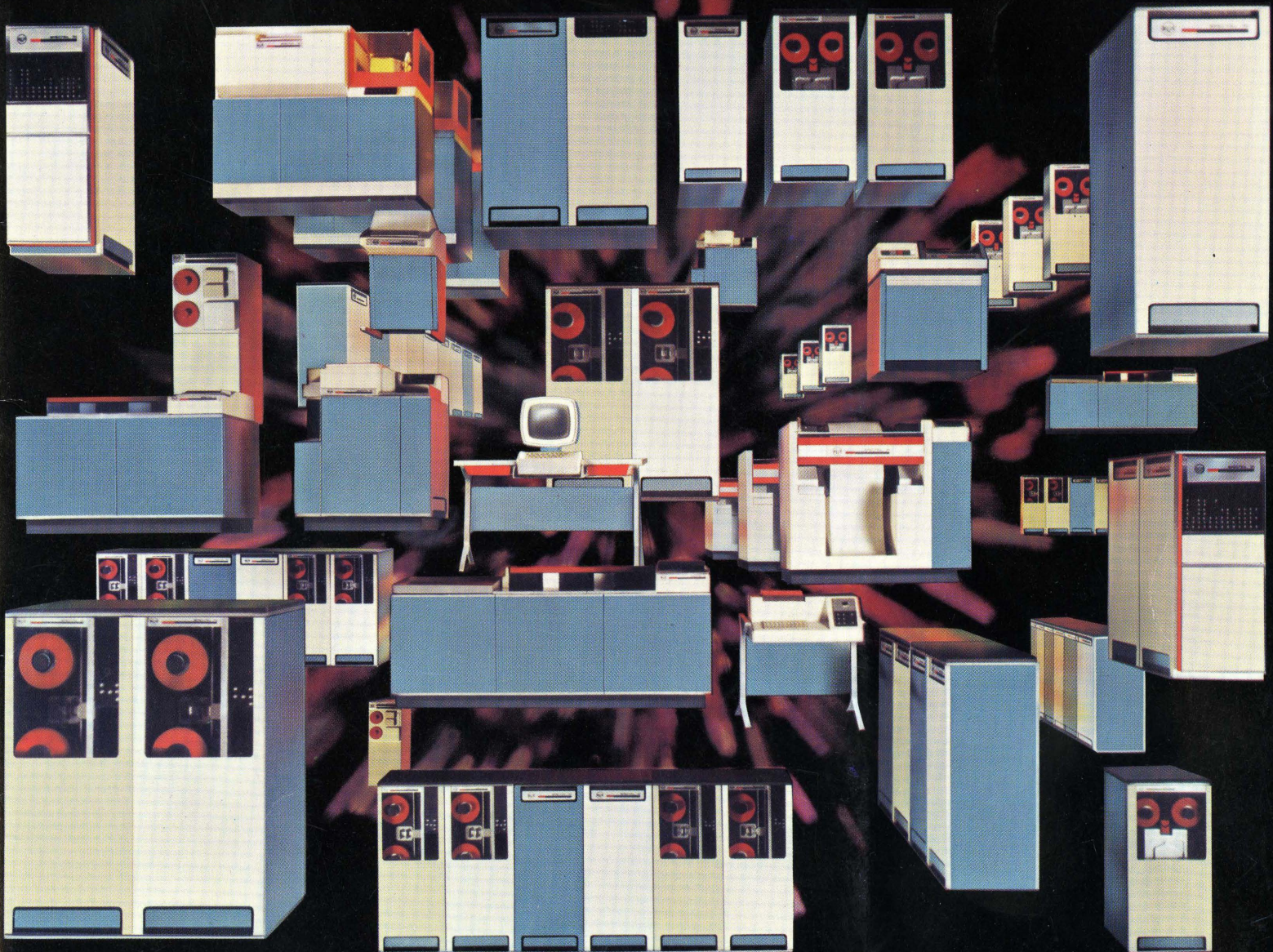
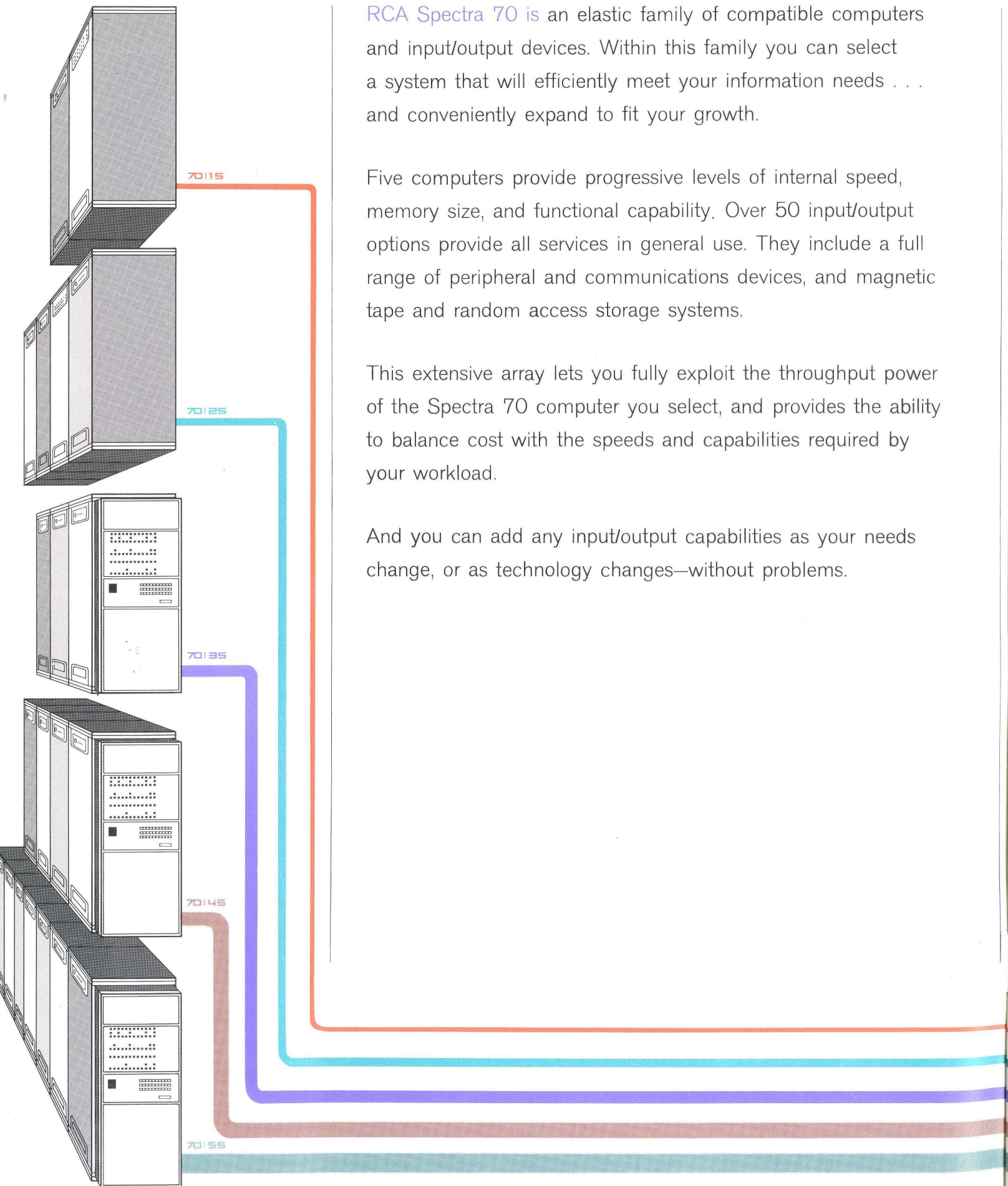


# RCA SPECTRA 70

family of input/output



## computers

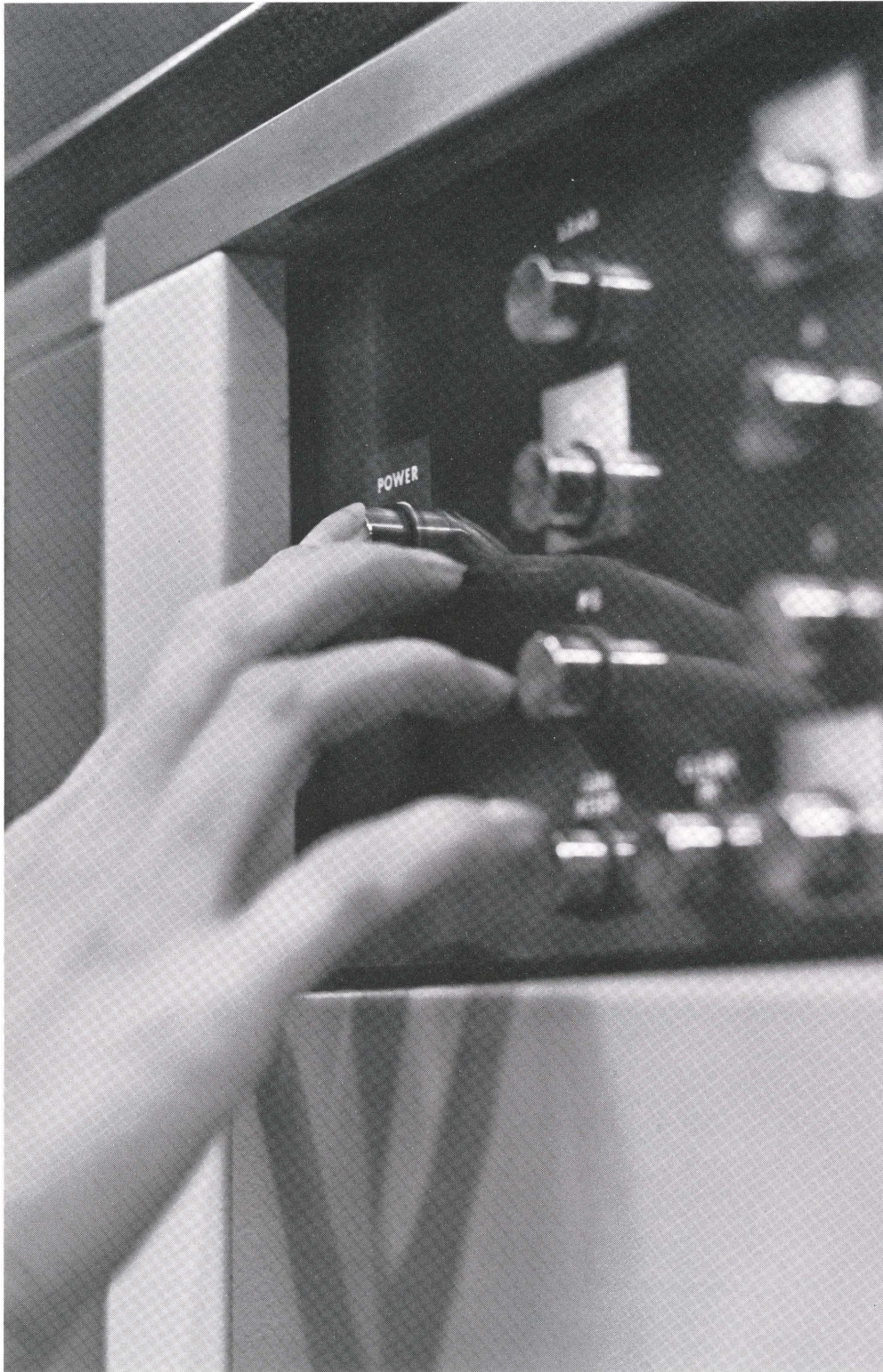


RCA Spectra 70 is an elastic family of compatible computers and input/output devices. Within this family you can select a system that will efficiently meet your information needs . . . and conveniently expand to fit your growth.

Five computers provide progressive levels of internal speed, memory size, and functional capability. Over 50 input/output options provide all services in general use. They include a full range of peripheral and communications devices, and magnetic tape and random access storage systems.

This extensive array lets you fully exploit the throughput power of the Spectra 70 computer you select, and provides the ability to balance cost with the speeds and capabilities required by your workload.

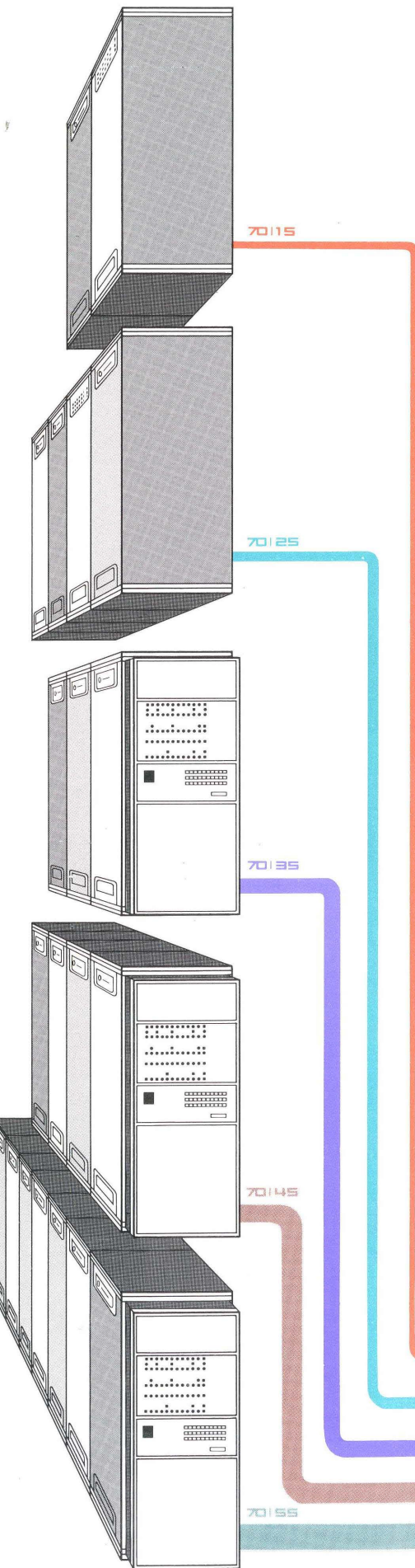
And you can add any input/output capabilities as your needs change, or as technology changes—without problems.



- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices

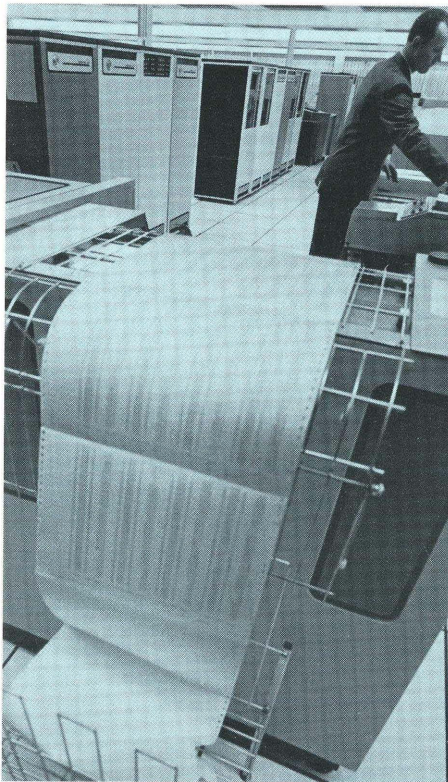
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70	25
70	35
70	45
70	55

## computers



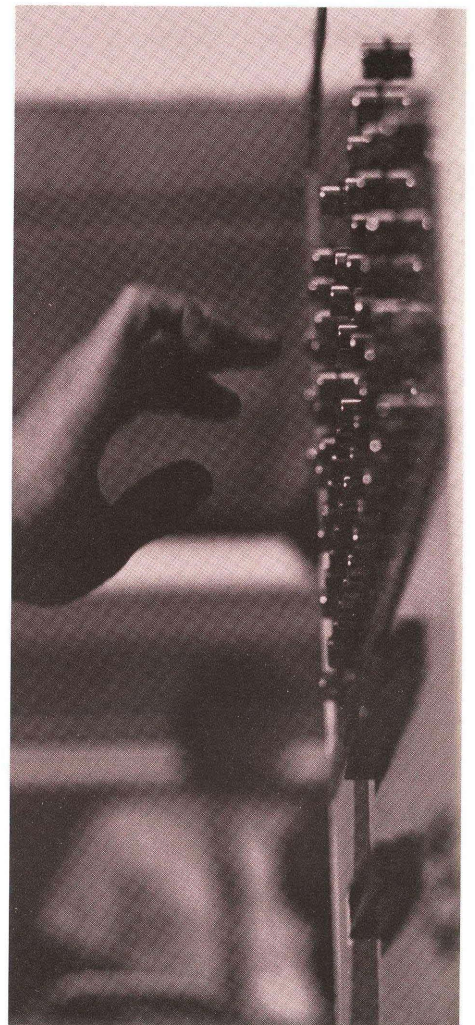
### FULL THROUGHPUT

Spectra 70 handles input/output on a device-independent basis. You never have to waste computer time waiting for information. Spectra 70's data channels and software systems control data flow, operational priorities and interrupts. They validate information and correct errors . . . test, activate and terminate input/output devices . . . and assign channel time and processor and memory resources virtually automatically. Thus, the computer is free to operate at its full throughput rate . . . and at peak efficiency for multi-programming.



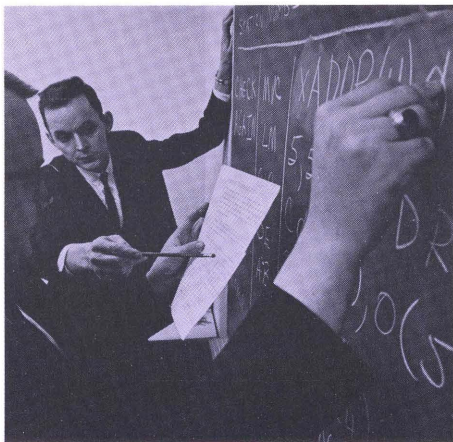
### STANDARD INTERFACE

The Spectra 70 standard interface connects all input/output devices and controls to the computers. In this way all Spectra 70 input/output devices look the same to any Spectra 70 computer. Thus, you can change your input/output array at any time, adding functions, removing those you no longer need. Or you can share devices among Spectra 70 computers.



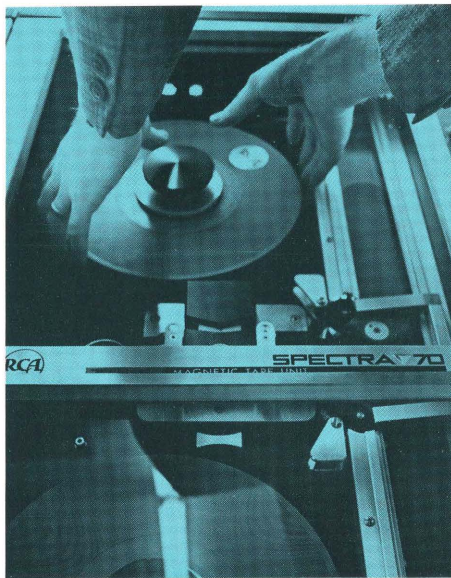
### EASIER PROGRAMMING

RCA Spectra 70 software lets you adapt conveniently to changing input/output needs. Existing programming is unchanged for input/output functions you retain. Programs for new jobs need only specify the additional devices for the Spectra 70 software. The ease with which input/output programs can be inserted, removed or modified reduces your programming effort, memory requirements, and computer overhead.



### DATA COMPATIBILITY

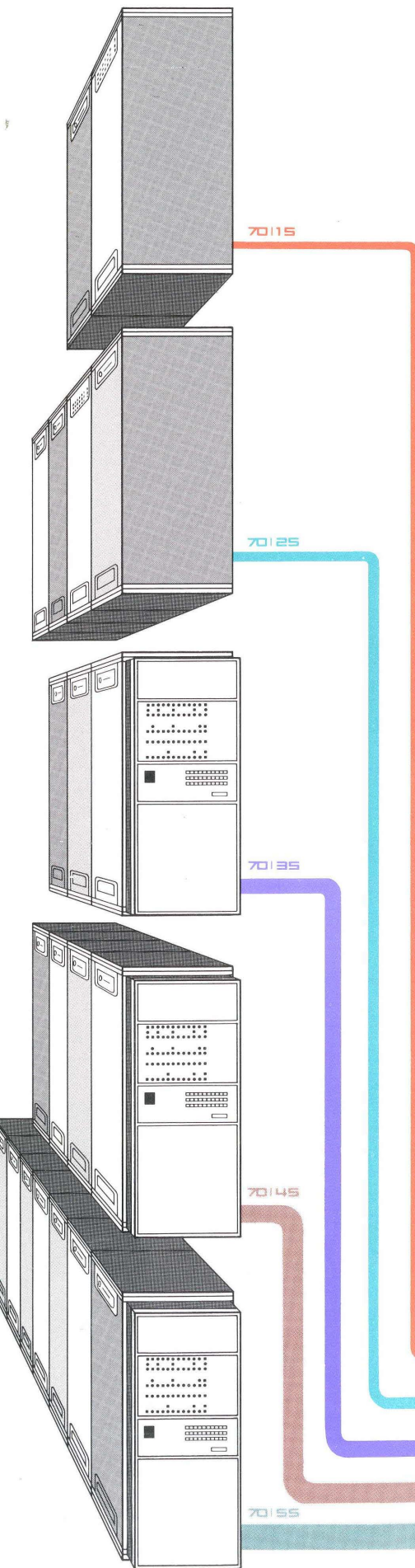
Spectra 70 input/output devices smooth conversion. They let you use your existing punched card records and in most cases, your existing magnetic tape files. They will handle your existing communications terminals.



- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices

70 | 15  
70 | 25  
70 | 35  
70 | 45  
70 | 55

## computers

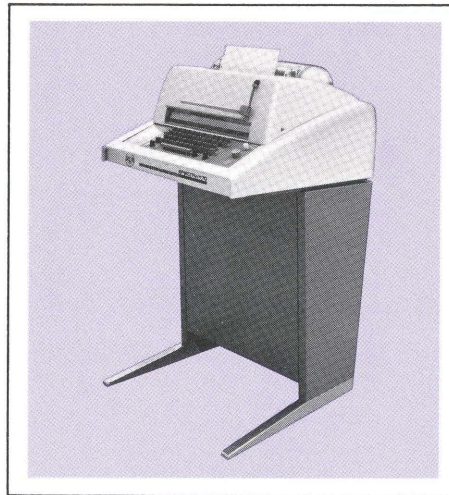


## peripherals

### INPUT/OUTPUT TYPEWRITER, Model 70/216

(for 70/15 and 70/25 computers;  
Model 70/97 console for  
70/35-45-55 computers  
includes I/O typewriter)

- speed: up to 10 bytes per second
- 72 characters per line
- pin-feed platen standard for by-product hard copy
- accuracy controls: transmission parity check, read/write echo check
- permits remote inquiry up to 3,000 feet
- provides operator-computer communications for software system
- interrupt for service request

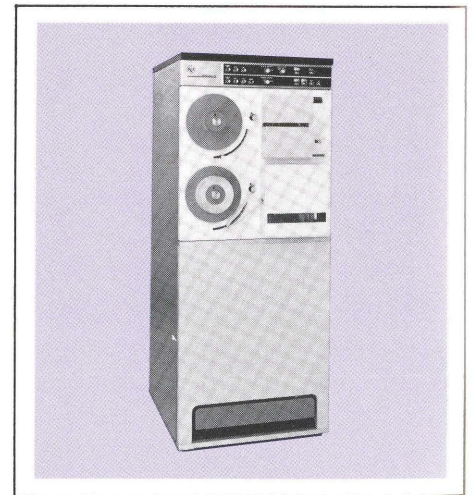


### PAPER TAPE READER/PUNCH, Model 70/221

- reads 200, punches 100 characters per second
- 5-, 7-, 8-level codes standard for reading and punching
- read options: 5-, 7-, 8-level with EBCDIC code translate and 6-level advanced sprocket hole
- punch option: 6-level advanced sprocket hole
- simultaneous reading and punching by time-sharing one multiplexor trunk
- stops on character; reads or punches next character
- accuracy control: parity checks for programmed error recovery

### HIGH-SPEED PAPER TAPE READER, Model 70/224

- speed: up to 1,000 characters per second
- standard and optional codes as in 70/221



## peripherals

### CARD PUNCH,

#### Model 70/234

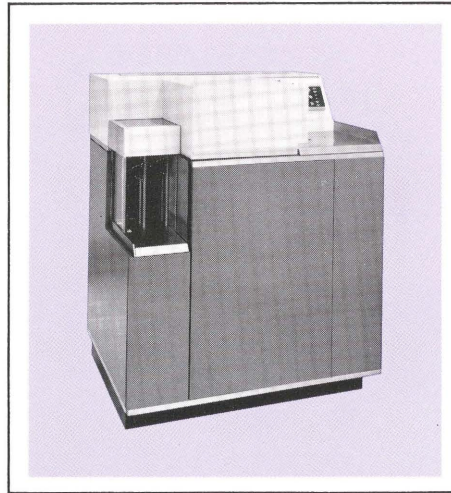
- low-cost, medium speed, for moderate card punching requirements
- 100 cards per minute (80-column); feeds on demand, punches, check-reads
- 80-byte buffer permits punching independent of computer control
- EBCDIC card code standard; optional column binary doubles data capacity
- scored card feature available
- 800-card input hopper and output stacker; may be loaded and unloaded while running.



### CARD PUNCH,

#### Model 70/236

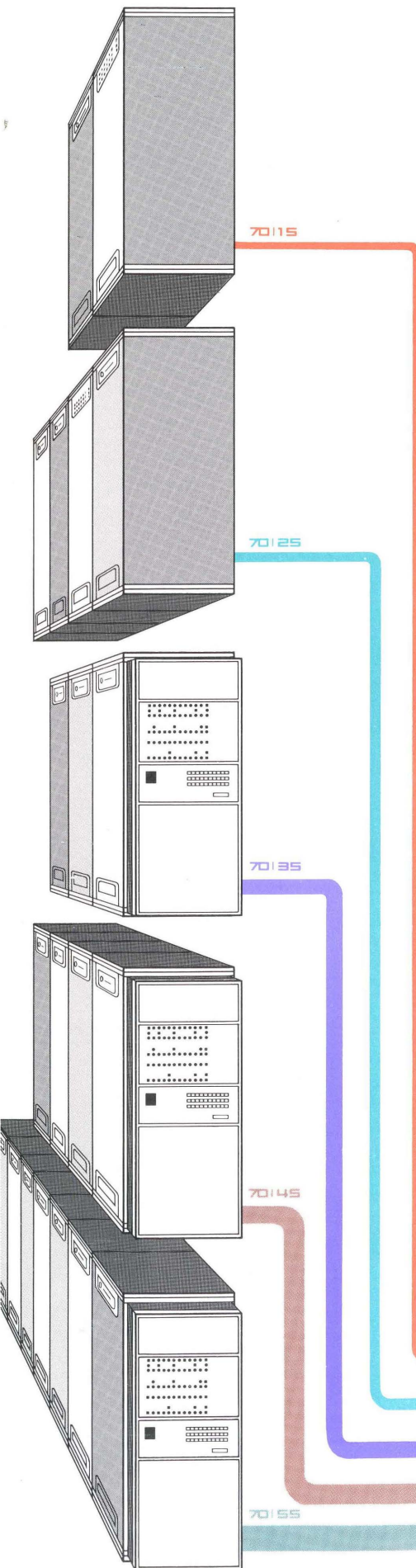
- fast, fully-buffered for large volumes of work
- speed: up to 300 cards per minute (80-column); feeds, punches, check-reads
- optional reader provides input/output card system: simultaneous reading, program operations, and punching summary data on same card; read only; punch only
- EBCDIC code standard; column binary optional
- handles pre-punched or blank cards; optionally, single or dual scored cards; ignores mark sense information
- 1,000-card input hopper; two 850-card output stackers; may be loaded and unloaded while running
- accuracy controls on data and operations for programmed error detection and recovery



- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices

70	15
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70	35
70	45
70	55

## computers



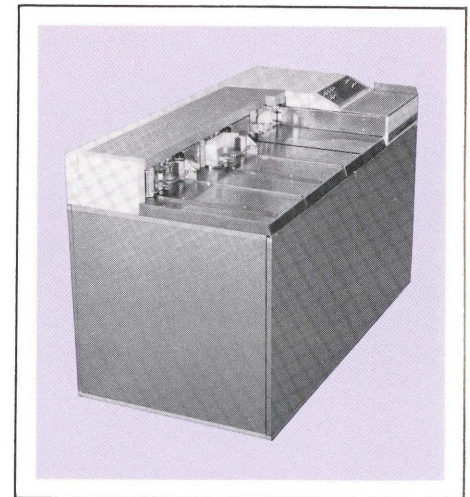
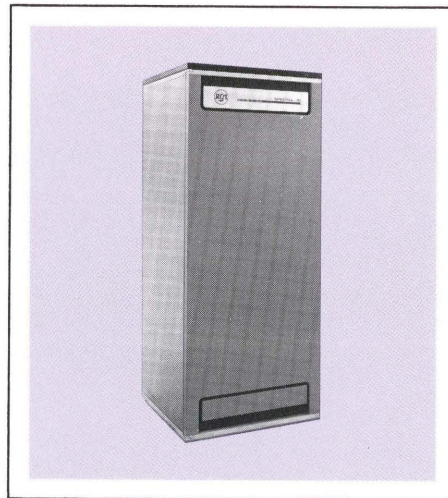
## peripherals

### MICR SORTER-READER CONTROLLER, Model 70/272

- permits processor control via standard input/output interface of the following MICR (Magnetic Ink Character Recognition) sorter-readers:
  - Burroughs Models B103, B116
  - IBM Type 1419-1
  - NCR Model 407

### CARD READER, Model 70/237

- a completely new, dual purpose unit for fast input with turnaround documents
- speed (serial on demand): up to 1,435 cards per minute
- optional mark reader for entry of variable data
- reads holes and pencil marks in same pass
- EBCDIC code standard; optional column binary
- advanced new transport mechanism with vacuum actuated capstan for fast, safe card handling
- optional 51-column stub cards, all popular scored card types
- 2,000 card input hopper, and "normal" and "reject" output stackers; may be loaded and unloaded while running
- continuous self-checking of sensors for reliability
- accuracy controls for transport operations and data validation





## peripherals

### MEDIUM SPEED PRINTER, Model 70/242

- 625 lines per minute (Model 70/242-10 or -20; 64 graphics character set)

### HIGH SPEED PRINTER, Model 70/243

- 1,250 lines per minute (Model 70/243-10 or -20; 64 graphics character set)
- 714 l.p.m. (Model 70/243-51 or -61; extended character set of 96 graphics, including lower case letters)
- 833 l.p.m. (Model 70/243-51 or -61; using subset of 80 graphics from extended character set)
- extended character-set models feature new quiet operation

#### Features in common

- models for 132 or 160 columns per line
- fully buffered to permit printing independent of computer control
- single or multiple-part fanfold stock, 4" to 18¾" wide
- bond paper, ledger and posting ledger, and punched card stocks
- 10 characters per inch horizontally, six or eight lines per inch vertical spacing

### BILL FEED PRINTER, Model 70/248

(requires Model 70/249 Control)

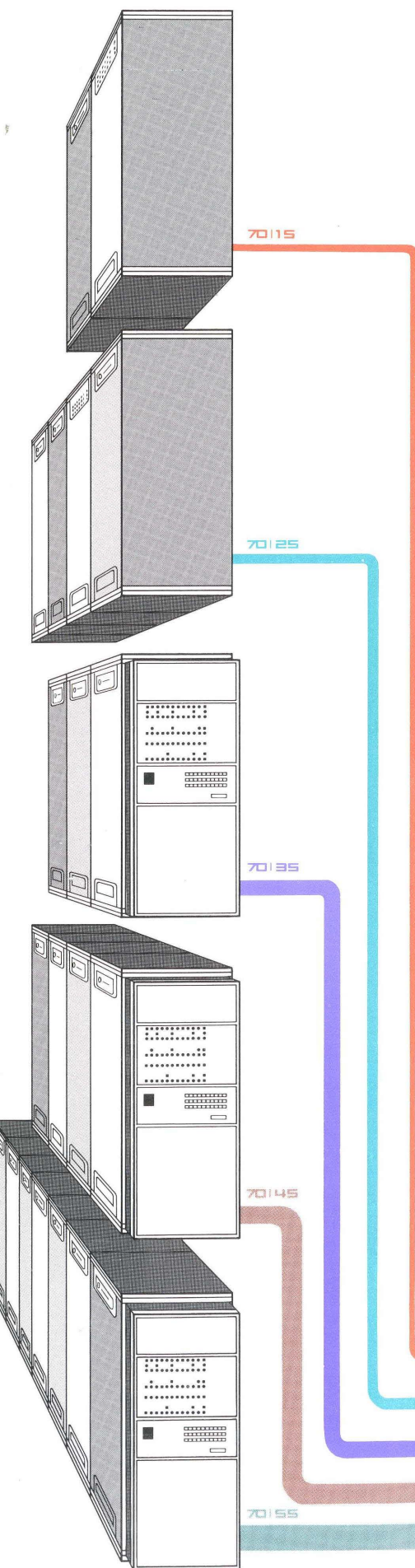
- prints forms on single or multiple-part, edge perforated fan-fold stock at 600 lines per minute
- prints cards two-up at 400 lines per minute (800 cards per minute effective rate)
- optional read/compare permits 30 columns of input from two punched cards, split as required
- handles two 80- or 51-column cards at a time, or dual 80-column cards
- full buffering for 132 print characters, 30 columns of card data
- handles printed forms 3½" to 18¾" wide, up to 17 inches long
- prints six or eight lines per inch
- side-by-side printing permits carbons to be eliminated
- interchangeable print chain optional

- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices



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70 | 55

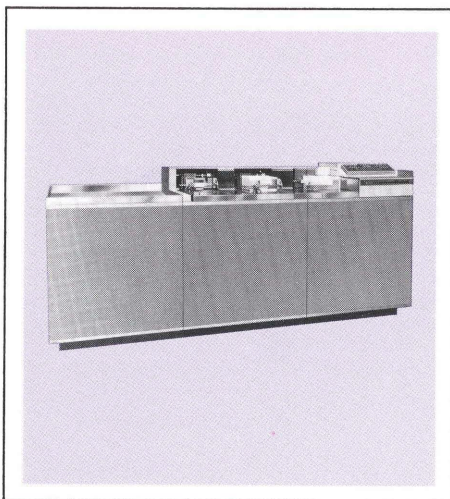
## computers



## peripherals

### VIDEOSCAN DOCUMENT READER, Model 70/251

- world's fastest optical document reader . . . uses TV techniques
- reads up to 1,800 stubs per minute continuously, 1,300 on demand
- a complete input system . . . reads print, marks and holes
- handles documents from  $2\frac{1}{2} \times 2\frac{1}{2}$  to  $4 \times 8\frac{1}{2}$  inches, 20# bond paper through post card stock
- reads print line (RCA N-2 type font) at 1,500 characters per second
- optional straight or slant mark reading in same pass with print line reading
- optional punched card reader: up to 500 cards per minute (demand) in separate pass
- column binary option doubles data capacity with marks or holes
- off-line select permits special clerical handling of documents
- $15\frac{1}{2}$  in. input hopper, and accept and reject output stackers; may be loaded and unloaded while running
- programmed validation of all data read optically by check digits
- automatic gain control compensates for variables in light intensity
- automatic quantizing control for variation in character print density
- advanced new transport mechanism with vacuum actuated feed



### DIGITAL PLOTTERS

- permit RCA Spectra 70/35, 70/45 and 70/55 processors to produce computer data in graphic form
- 2 lines of on-line, incremental plotters available from:  
CALCOMP—California Computer Products, Inc.  
Benson-Lehner Corporation



**TAPE CONTROLLERS,**

**Models 70/472 and 70/473**

- Model 70/472 operates intermix of any 9-level Spectra 70 tape drives (compatible with IBM 2400 series)
- Model 70/473 operates any intermix of 7- or 9-level Spectra 70 tape drives
- 7-level tapes compatible with IBM 7330, 727 and 729 series tape drives
- models with single information channel for eight or 16 tape drives, or with dual information channels permitting simultaneous read/read, read/write, write/write with eight or 16 tape drives
- optional pack-unpack for model 70/473 allows automatic conversion of four characters from tape with six bits of information each to three eight-bit memory frames, vice versa when writing to tape

**TAPE CONTROLLER,**

**Model 70/463**

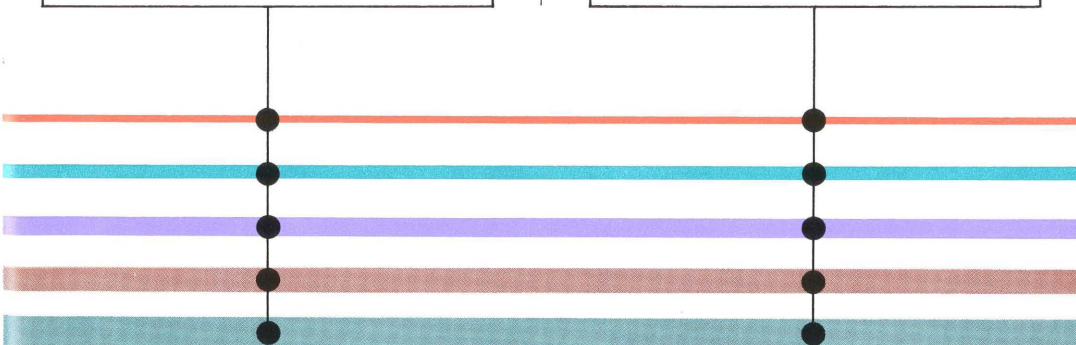
- all features of Model 70/472 as at left, but also operates Model 70/441 Tape Unit which reads and writes on reels of RCA 381 or 382 Hi-Data Magnetic Tape Groups
- operates Model 70/441 Tape Unit in either RCA 381 or RCA 382 mode

**TAPE CONTROLLER,**

**Model 70/461**

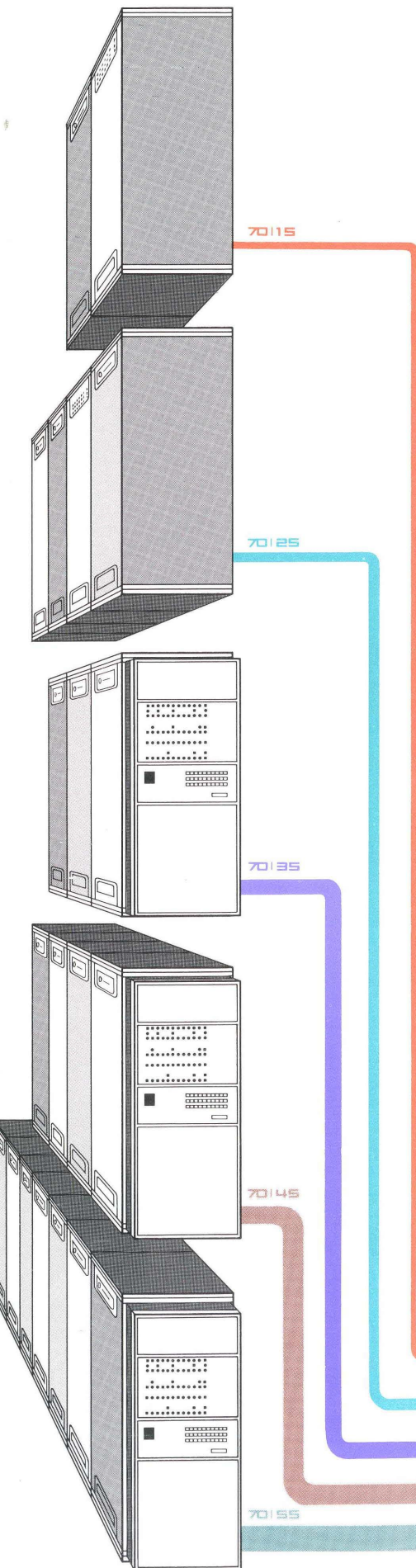
- dual-channel, simultaneous operation with up to eight or up to 16 RCA Model 581 Tape Stations
- accepts two interface trunks from same or different processors
- provides bi-directional translation between processor's internal EBCDIC code and RCA 581 code
- optional translator for 381 code on 581 tape, in addition to or as replacement for 581 code translator

- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices



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70		25
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## computers



## storage

### MAGNETIC TAPE UNIT, Models 70/432, 70/442, 70/441:

(two tape drives per unit)

#### Models 70/432, 70/442:

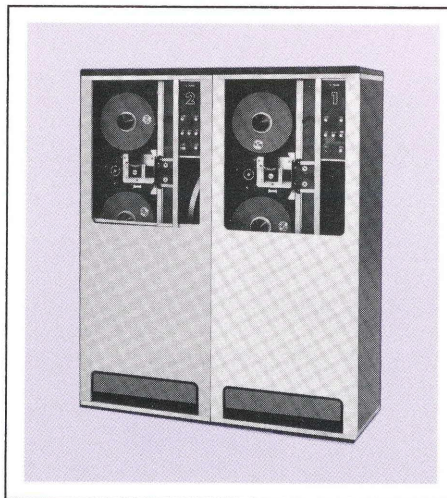
- 9-level version compatible with IBM 2400 series
- 7-level version compatible with IBM 7330, 727 and 729 series, all RCA tape drives operating in IBM mode; can be converted to 9-level
- 1/2-inch tape; 2,400-ft. reel

#### Model 70/441:

- reads and writes RCA 381 or 382 mode
- 1/2-inch tape, 1,200-ft. reels of RCA 381 or 382 Hi-Data Magnetic Tape Groups

#### Features in Common

- separate versions for single or dual channel (simultaneous data transfer) controllers
- can be grouped in any intermix of four tape drives
- no pinch rollers to impair tape longevity
- vacuum loop boxes to avoid dust contamination, tape snarling in bi-directional movement
- sliding glass windows, mounting of supply reels with push-pull hub to speed reel interchange
- reads forward and reverse (including 7-level tapes recorded on RCA tape drives)



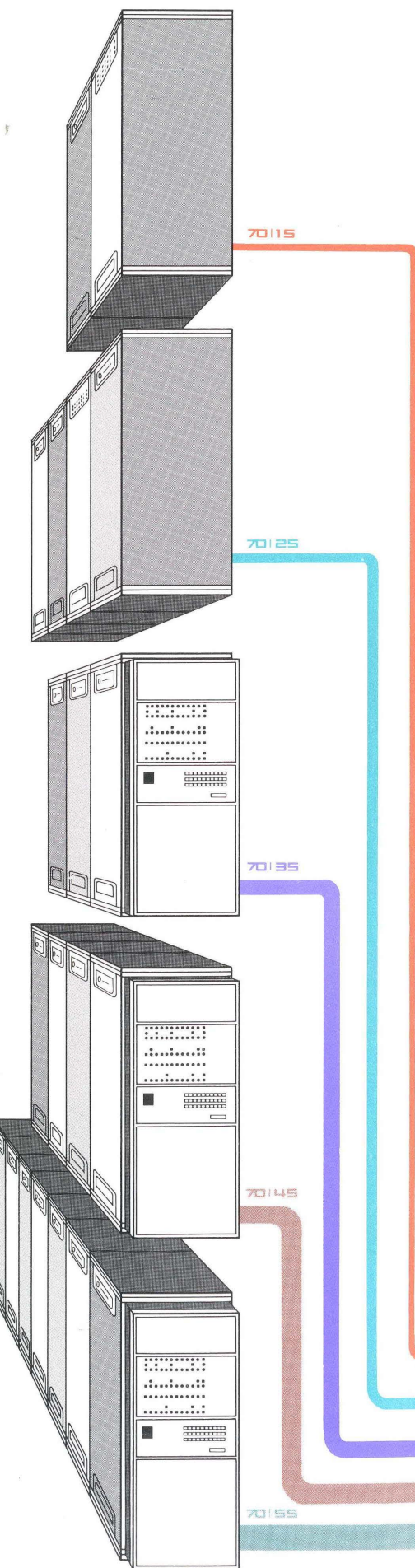
storage

MODEL	DATA RATE/SEC	RECORDING DENSITY	TAPE SPEED/REWIND SPEED	ACCURACY CONTROLS
70/432 9-level	30K bytes 60K numbers	800 bits per inch	37.5/100 inches per second (single capstan drive)	read-after-write parity check, write current sensing check, lateral parity bit generated and verified by controller, longitudinal check character, cyclical redundancy character
70/432 7-level	7.5K chars. 20.8K chars. 30K chars.	200 bpi 556 bpi 800 bpi		read-after-write parity check, write current sensing check, lateral parity bit generated and verified by controller, longitudinal check character
70/442 9-level	60K bytes 120K numbers	800 bpi	75/150 ips (single capstan drive)	same as 70/432 9-level
70/442 7-level	15K chars. 41.7K chars. 60K chars.	200 bpi 556 bpi 800 bpi		same as 70/432 7-level
70/445 9-level	120K bytes 240K numbers	800 bpi	150/400 ips (dual vacuum capstans)	same as 70/432 9-level
70/445 7-level	30K chars. 83.4K chars. 120K chars.	200 bpi 556 bpi 800 bpi		same as 70/432 7-level
70/441 381 mode 382 mode 7-level	20K chars. 30K chars.	333 bpi 500 bpi	60/150 ips (single capstan drive)	same as for 381 or 382 Hi-Data Tape Groups

- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices

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 70 | 45  
 70 | 55

## computers

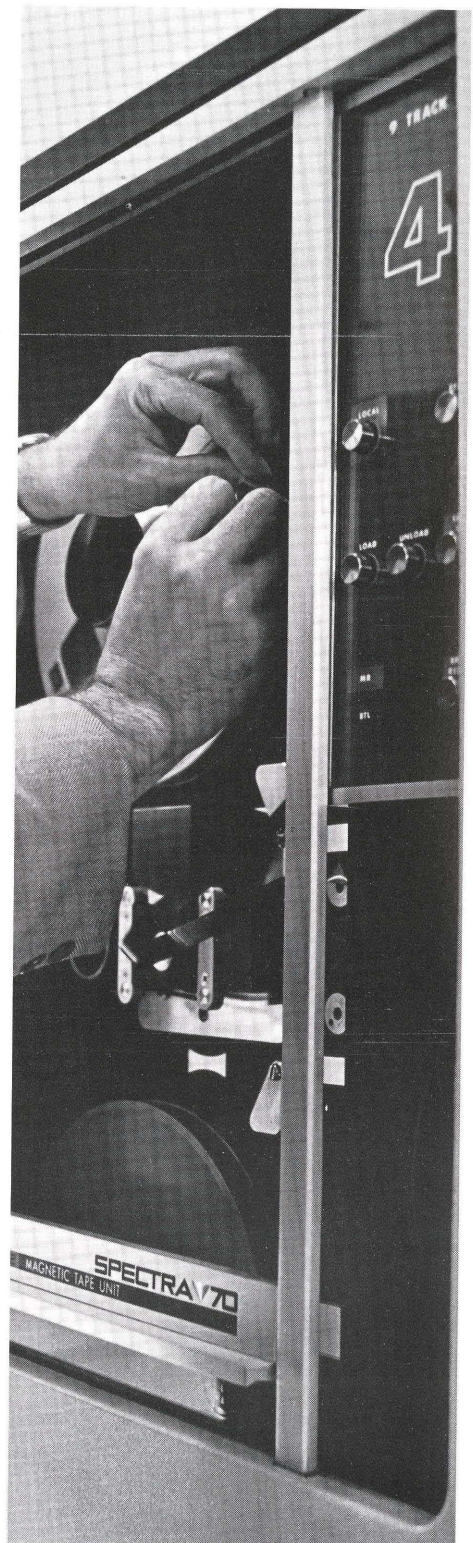
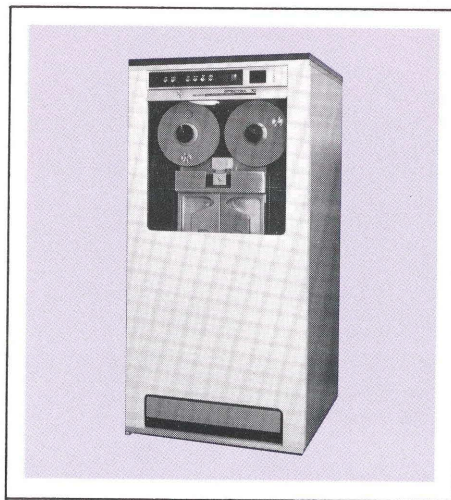


## storage

### MAGNETIC TAPE STATION, Model 70/445

#### (individual tape drive)

- 9-level version compatible with IBM 2400 series
- 7-level version compatible with IBM 7330, 727 and 729 series, all RCA tape drives operating in IBM mode; can be converted to 9-level
- separate versions for single or dual channel (simultaneous data transfer) controllers
- can be grouped in any intermix of four tape drives
- no pinch rollers to impair tape longevity
- vacuum loop boxes to avoid dust contamination, tape snarling in bi-directional movement
- sliding glass windows, mounting of supply reels with push-pull hub to speed reel interchange
- reads forward and reverse (including 7-level tapes recorded on RCA tape drives)
- 1/2-inch tape; 2,400-ft. reel

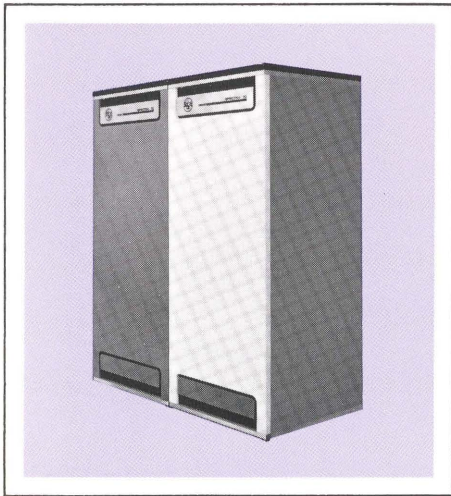


storage

**RANDOM ACCESS CONTROLLER, Model 70/551**

(for 70/35, 70/45, 70/55 Processors)

- one electronics module to operate all Spectra 70 random access subsystems
- device attachments connect four drum memory units, eight mass storage units and eight disc storage units
- one controller per selector channel
- includes attachment for up to eight disc storage units; other attachments optional
- handles devices with data rate up to 350K bytes/sec.
- off-line "seek" permitted on all devices operated by controller
- optional file scan permits rapid search for specific identifier or condition
- optional record overflow permits logical record to continue from one track to another in same cylinder for greater data packing efficiency
- data validation: calculates and records 2-byte cyclic check characters for each block written; calculates and compares cyclic check characters for each block read



**DISC STORAGE UNIT, Model 70/564**

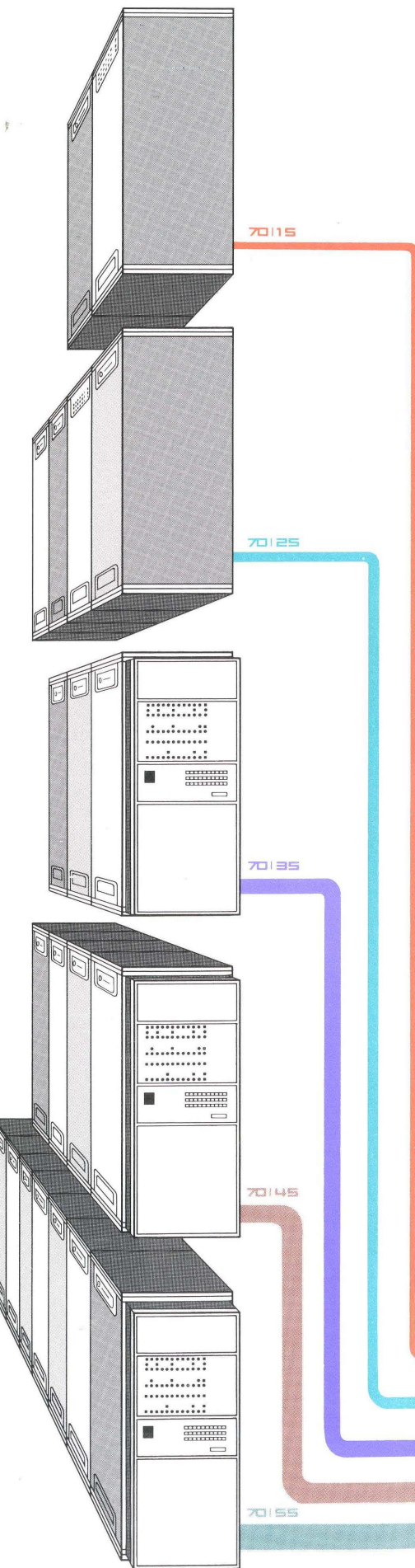
- efficient random access for program segments, in-transit message storage and moderate volume files
- capacity 7.25 million to 58 million eight-bit bytes (one to eight units)
- infinite library capacity via interchangeable disc packs
- six 14-inch discs per 10-lb. disc pack; interchanged in under a minute
- data rate: 156,000 bytes per second
- head positioning seek time: 85 milliseconds average
- latency: 12.5 ms. average
- 203 tracks per disc surface and read/write head; 2030 tracks per unit
- maximum record size/track: 3,625 bytes



- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices

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70	55

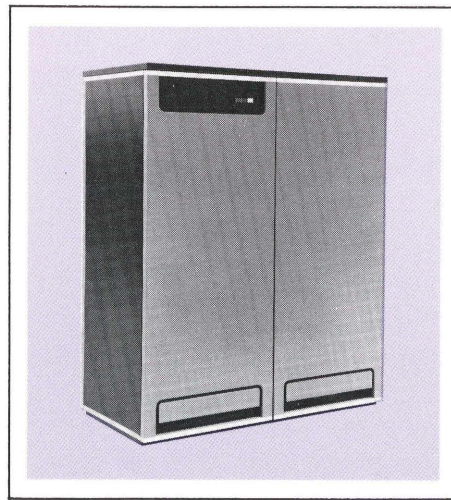
## computers



## storage

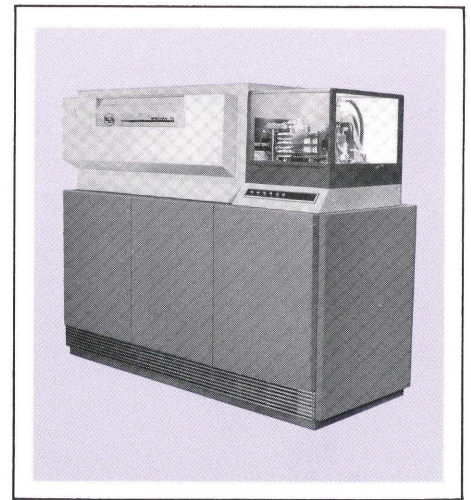
### DRUM MEMORY UNIT, Model 70/565

- very fast random storage and retrieval for program segments, indices to files in mass memories, tables and constants
- capacity: .8 million to over 6 million eight-bit bytes
- data rate: 210,000 bytes per second
- average access time (latency): 8.6 ms.
- data capacity per track: 3,058 bytes
- tracks (and read/write heads) per drum: 256 or 512; four drums maximum per system
- 8 tracks per cylinder
- attachments for one, two or four drum memory units



### MASS STORAGE UNIT, Model 70/568

- lowest cost, multi-billion character random access storage on the market . . . about  $\frac{1}{2}\text{¢}$  per 1,000 bytes of information
- capacity: 561,512,448 to 4,492,099,584 bytes (in one to eight units connected to attachment)
- data rate: 70,000 bytes per second
- average access time: 385 ms. (to second half of fourth magazine)
- uses 4 by  $16\frac{1}{2}$ -inch magnetic cards in sets of 256 in each of eight magazines per unit
- 274,176 bytes per card; 70,189,056 bytes per magazine
- infinite library capacity via removable, interchangeable magazines
- 2,141 data bytes per track, eight tracks per cylinder, 16 cylinders per card
- accuracy controls: read-after-write check; 2 cards in motion (extract and reload) limit control; addressed card verification; head positioning sensor, head current check, card return check, magazine "loaded" verification





## communications controllers

### COMMUNICATIONS CONTROLLER—MULTICHANNEL,

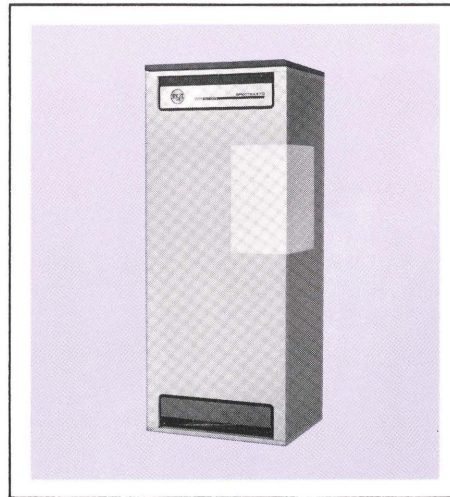
#### Model 70/668

- total communications capability for the Spectra 70/35, 70/45 and 70/55 computers
- uses seven buffer models to handle all communications services, codes and speeds in general use, and AUTODIN network messages
- models for 16, 32 or 48 communication line buffers, each line connecting to one or more terminals
- each CCM connects to multiplexor trunk via one standard RCA input/output interface
- simultaneously services two-way data flow, at various speeds
- throughput rate: 6,000 bytes per second maximum per CCM
- unique channel co-ordination capability
- handles synchronous and asynchronous transmissions, and intermix of transmission speeds, codes, and types of remote terminals



### COMMUNICATION CONTROL, Model 70/652

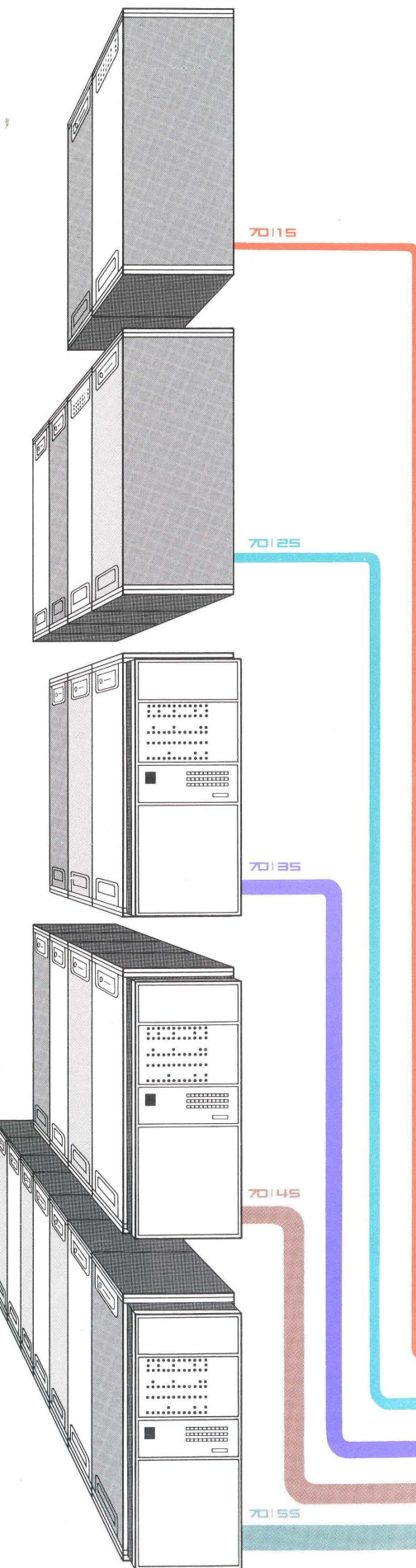
- for 70/15 computer; single channel communications over voice-grade lines with another RCA Spectra 70, 301 or 3301 computer fitted for data communications
- speed: 250 or 300 characters per second
- for manually or automatically dialed public networks, or leased lines
- half-duplex (transmits or receives alternately)
- can use unattended operation feature of data set to automatically receive a call and disconnect line
- connects to computer input/output trunk via standard RCA input/output interface
- handles various codes, such as RCA 301, 3301, ASCII, and EBCDIC
- service request generates interrupt
- accuracy controls: character and block parity checks, confirmation by remote processor of error-free message, retransmission if message not acknowledged



- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices

70 | 15  
70 | 25  
70 | 35  
70 | 45  
70 | 55

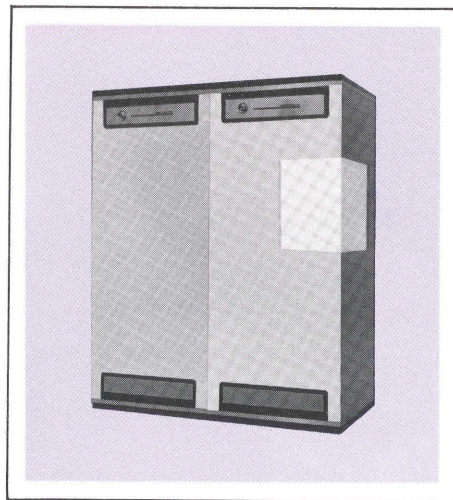
## computers



## communications controllers

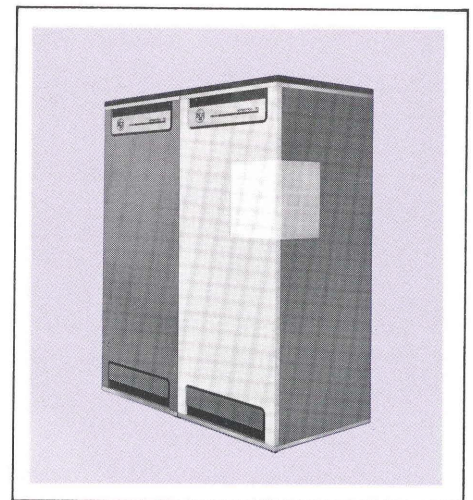
### COMMUNICATION CONTROL, Model 70/653

- for 70/15, 70/25, 70/35, 70/45 or 70/55 computers; single channel communications with another RCA Spectra 70, 301 or 3301 computer fitted for data communications
- operates over manually or automatically dialed public networks, or leased channels with 48KC bandwidth
- speed: 250/300 or 5,100 characters per second, depending on line capacity and data set used
- connects to computer selector channel or multiplexor trunk via standard RCA input/output interface
- provides features of 70/652 with extended control



### DATA EXCHANGE CONTROL, Model 70/627

- connects two Spectra 70 computers, memory to memory, up to 200 feet apart
- either computer can originate transmission, or request data
- fits in computer input/output rack, or free-standing rack with power supply
- connects via standard RCA input/output interface to a selector channel or multiplexor trunk on each processor

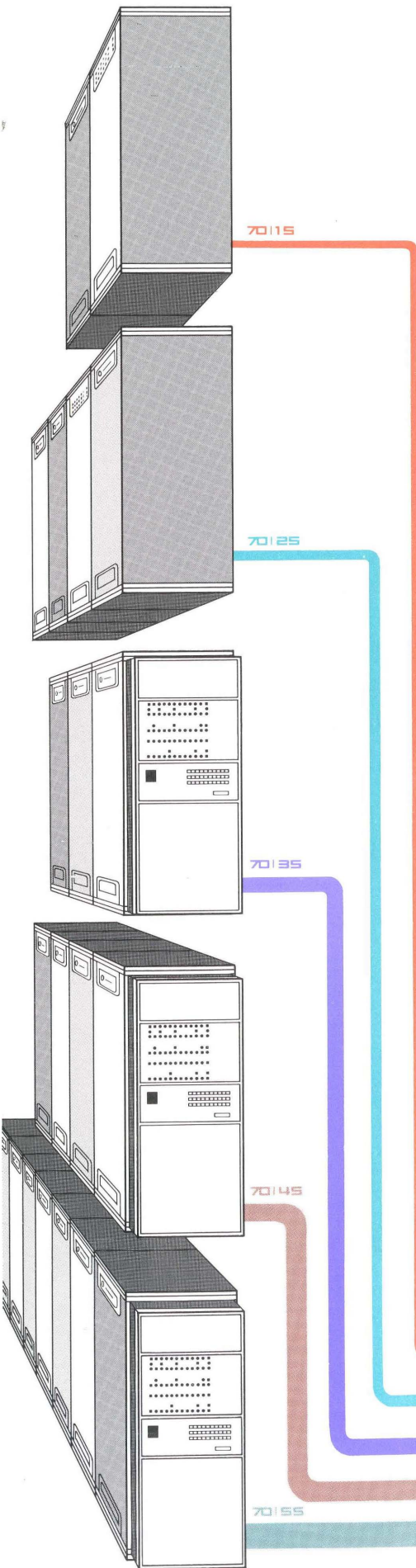




- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices

70 | 15  
70 | 25  
70 | 35  
70 | 45  
70 | 55

computers



buffers

DEVICE	CODE LEVEL	TRANSMISSION SPEED (CPS)	DATA SET	
TELEGRAPH BUFFER Model 70/710	5	6, 7.5, 10	NONE	
	8	10	NONE	
(One scan position in CCM)	6	5.3 and 6.6	NONE	
ASYNCHRONOUS DATA SET BUFFER, Model 70/720	8	120 or 180	202C or 202D	
	8	10	103A or 103F	
	(One scan position in CCM)	7	150 or 225	202C or 202D
	8	105	202C or 202D	
	8	10	modems supplied by common carrier	
	7	14.8	103A or 103F	
	7	14.8 or 66.6	103F or 202D	
	7	30	103F	
SYNCHRONOUS DATA SET BUFFER, Model 70/721	7	7.5/30 or 120/180	103F or 202D	
	7	286 and 343	201A3 and 201B	
	8	250 and 300	201A3 and 201B	
	(One scan position in CCM)	9	222 and 267	201A3 and 201B
SYNCHRONOUS TRANSMITTER-RECEIVER BUFFER, Model 70/722 (One scan position in CCM)	8	75 or 150	202C or 202D	
		250 or 300	201A3 or 201B	
AUTODIN MODE I BUFFER, Model 70/723 (Four scan positions in CCM)	8	150, 300 or 600	Supplied by Western Union	
EDGE DEMODULATOR BUFFER Model 70/724 (One scan position in CCM)	7	27.7	Self-contained RCA modem	
TIME GENERATOR BUFFER Model 70/780 (One scan position in CCM)	9	not applicable	not applicable	
PARALLEL BUFFER Model 70/715 (One scan position in CCM)	6 or 8	not applicable	403A or special interface supplied by common carrier	

\*American Telephone and Telegraph Company Trademark

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## REMOTE TERMINALS AND INTERCONNECTING COMMUNICATIONS FACILITIES

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Teletypewriters: point-to-point private line circuits, or multi-station systems employing polling and selective calling

Teletypesetter equipment

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RCA Video Data Systems used on private line telephone circuits or message network

RCA Video Data Terminal, used as above

Communications Buffers on Single Channel Controls for RCA 301/3301 processors, private line or message network

Bell System Data Speed, Type II, private line or message network

Teletypewriters with sub-voice grade private line circuits; Teletypewriters on Bell System TWX, TWX Prime Networks

IBM 1050 and 1060 Systems over message network or private lines

IBM 1070 System over private telephone lines

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Friden Collectadata 30 data gathering system over telephone lines

Teleregister On-Line Banking System over private telephone lines

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Univac 1004 Card Processor equipped with DLT Type 1

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Communications Buffers and Single Channel Controls for RCA 301/3301 processors; 8-level code with 70/652 and 70/653 Communications Controls  
70/652 and 70/653 Communications Controls

All above devices on message network or private line telephone circuits

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IBM Synchronous Transmitter-Receivers: 1009 Data Transmission Unit, 1013 Card Transmission Terminal, 2701 Data Adapter, 7702 Magnetic Tape Terminal; 7740 Communications Control System

All above devices on message network or private line telephone circuits

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Direct connection to Autodin network

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RCA EDGE Line Concentrator over voice circuit

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No interconnecting communications facilities required; this buffer transfers a four digit time record directly to the CCM

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Touch-Tone\* telephone input/voice response output with Voice Response Unit

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- peripherals
- storage
- communication controls
- buffers
- terminals/remote devices
- switching devices

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70	15
70	25
70	35
70	45
70	55

computers

terminals/remote devices

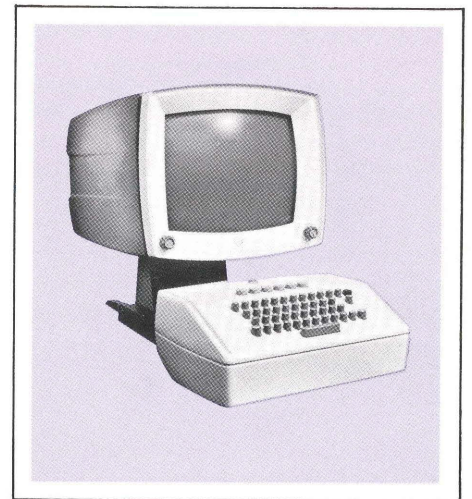
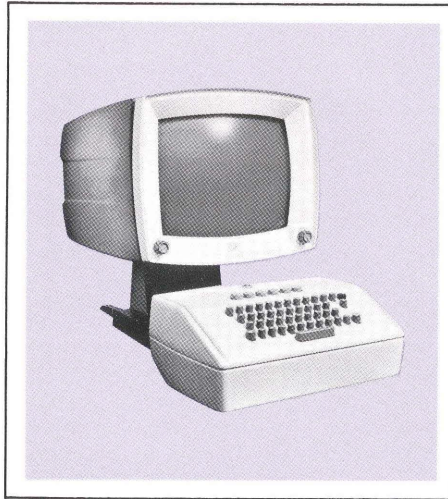
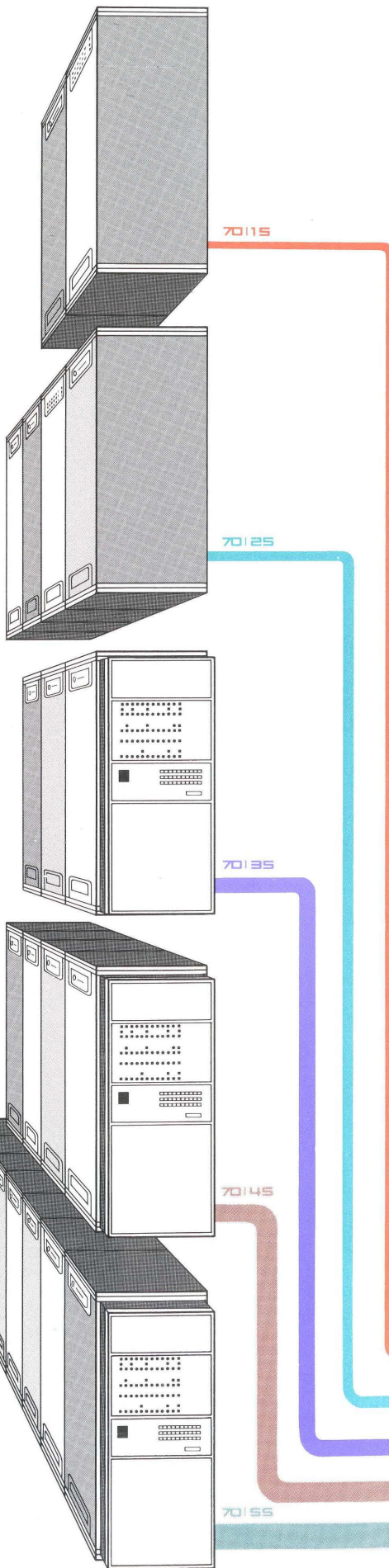
VIDEO DATA ENTRY AND DISPLAY SYSTEMS

VIDEO DATA TERMINAL, Model 6050\*

- keyboard and associated video display with self-contained logic and memory
- operates over manually dialed public network facilities
- two transmission rates: 120/180 or 10 characters/per second
- keyboard/viewer can be located up to 650 ft. from memory-logic unit

VIDEO DATA INTERROGATOR, Model 6051\*

- up to 8 keyboards and associated video displays may be operated with one Model 6077 Video Interrogator Terminal per communication line
- up to 16 pre-recorded formats can be called up for fixed data by any of eight interrogators operated by 6077
- keyed-in variable data and corrections skip pre-recorded format data
- transmission rate: 120/180 c.p.s.
- interrogators can be located up to 650 feet from Control Terminal



## terminals/remote devices

### \*Features in Common

- operate via Communications Controller—Multichannel
- designed for accessing records in random access files

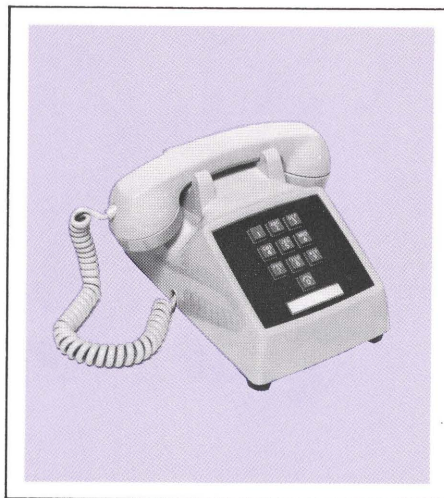
- 3 character arrays

<i>No. of Lines</i>	<i>Chars. Per Line</i>
15	32
12	40
10	48

- bright, clear display on 14-inch TV-type picture tube
- control panel and keyboard can be positioned separately from viewer
- all data checked for parity; errors displayed as bright spot
- 64 ASCII code letters, numbers and symbols; special codes can be used
- message remains on screen until computer replies
- data sent by computer can be changed in part and retransmitted to update file
- movable cursor marks location of next character

### VOICE RESPONSE UNIT, Model 70/510

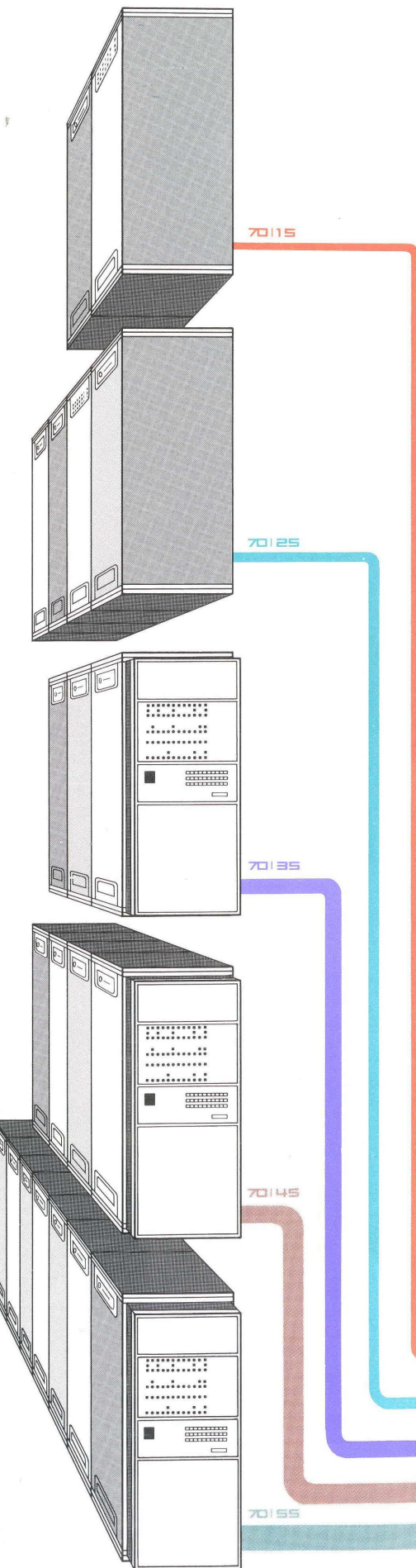
- permits any phone to be used as remote inquiry terminal at nominal costs of Touch-Tone\* service
- models with 31 or 63 sound tracks for storage of recorded words and phrases
- each track can be used for one phrase (up to 1½ secs.), same word recorded three times, or three words
- up to 189-word vocabulary, selected by user; optional male or female voice
- basic unit handles 10 output lines
- expansion feature provides increments of 10 output lines; up to 100 lines maximum per VRU



- peripherals
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- switching devices

70 | 15  
70 | 25  
70 | 35  
70 | 45  
70 | 55

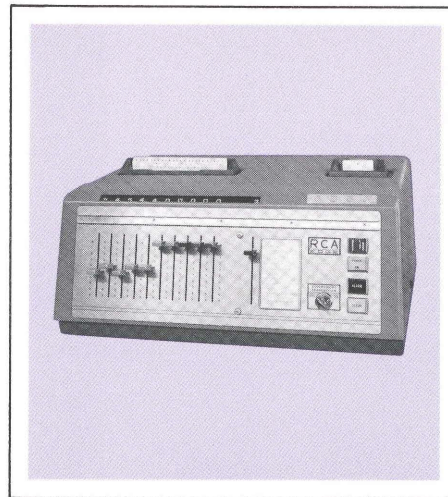
## computers



## terminals/remote devices

### EDGE INPUT STATION, Model 6220

- RCA Electronic Data Gathering Equipment . . . low-cost modular system to gather facts from scattered operating points for a management information system
- designed for factory environment
- encodes, controls and transmits data to central Spectra 70 computer fitted with Communications Controller—Multichannel
- accepts fixed data such as job tickets or inventory tub file records on punched cards, or employee number on tokens
- variable data setting (10 levers) transmits 0 to 9,999,999,999
- manual selector identifies up to 11 different types of transactions
- accuracy controls: data "lock-in" during transmission, parity check, start/end message sequence, carrier interrupt
- interlock limits certain transaction data to supervisors
- speed: 27.7 characters per second

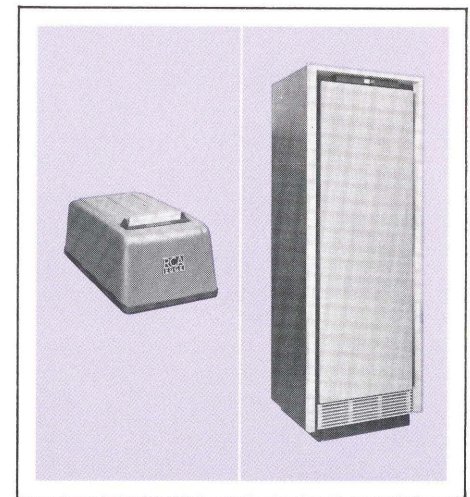


### EDGE AUXILIARY CARD READER, Model 6228

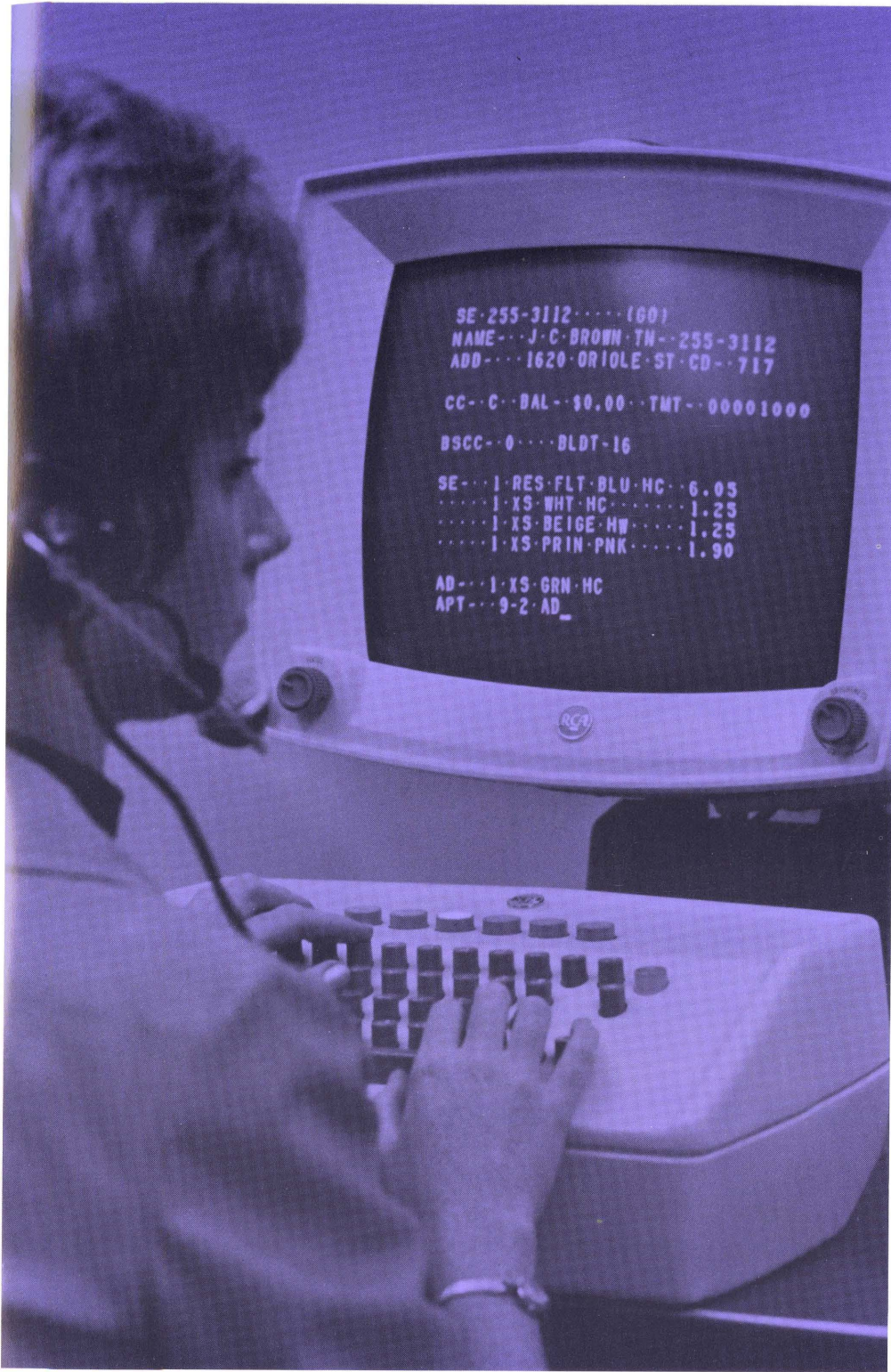
- used with EDGE input station to provide up to 80 columns of additional punched card information
- pressure reading permits even mutilated cards to be used

### EDGE LINE CONCENTRATOR, Model 6235

- controls connection of up to 25 EDGE input station communication lines to four output trunks terminating in EDGE Buffers at Spectra 70 computer
- links input stations deployed over wide area
- searches for idle trunk on request for transmission by input station



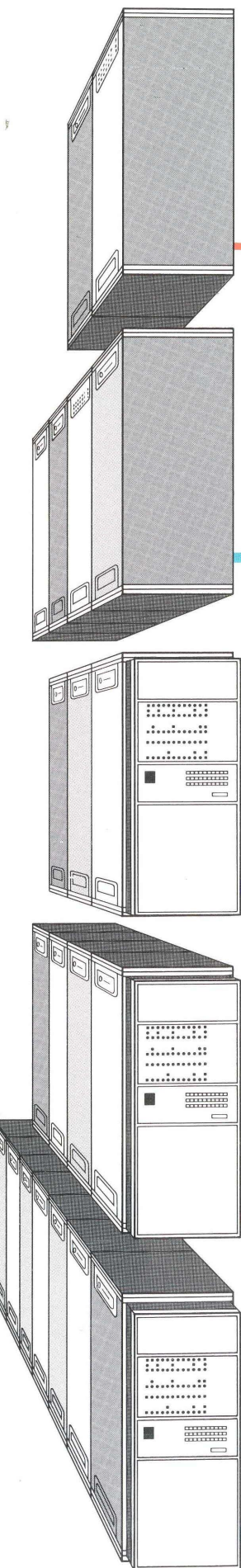




- peripherals
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70 | 15  
70 | 25  
70 | 35  
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70 | 55

## computers



## switching devices

### STANDARD INTERFACE SWITCH, Model 70/310

- bi-directional passive switch, 1 x 2 operation
- permits connection of input/output device to standard RCA interface trunks on two Spectra 70 computers, or two devices to one trunk

### SWITCH CONTROLLER, Model 70/350

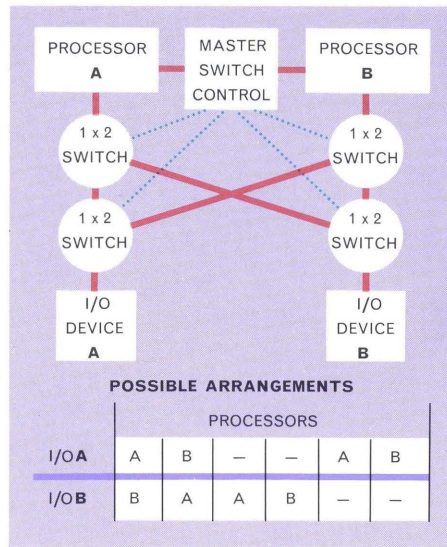
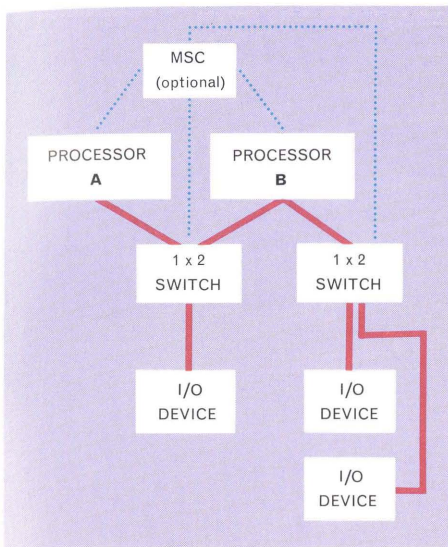
- controls up to eight 70/310 standard interface switches
- can be used by two Spectra 70 computers
- switches under program control

### COMMUNICATIONS LINE SWITCH ADAPTER, Model 70/356

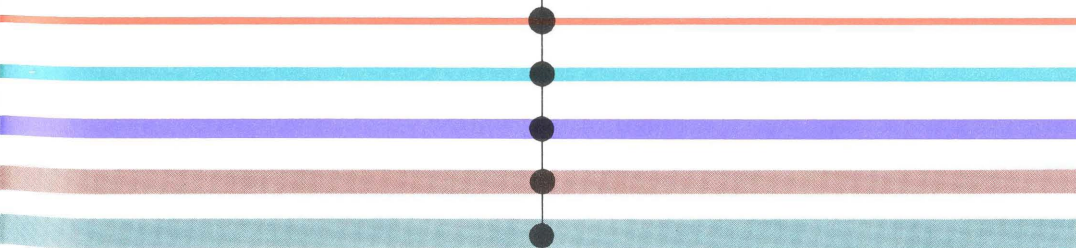
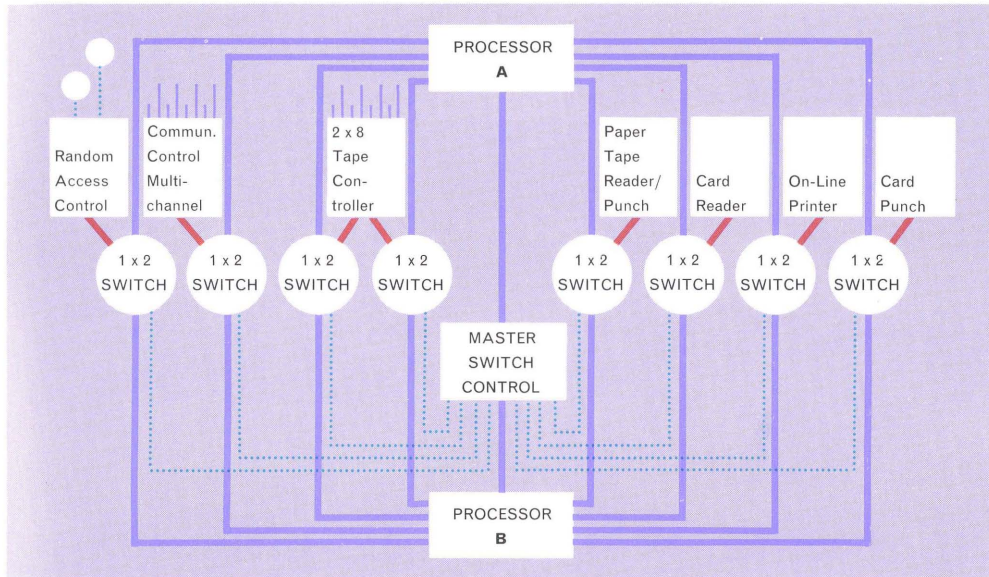
### TELEGRAPH SWITCH UNIT, Model 70/325-2

### DATA SET SWITCH UNIT, Model 70/326-2

- permit dual computer/communications facilities for back-up
- Model 70/356 Communications Line Switch Adapter accommodates a combination of 14 switch units, Models 70/325-2 or 70/326-2
- Communications Line Switch Adapter can comprise one to four switch controls which can be controlled manually, or automatically via Model 70/350 Switch Controller
- Telegraph Switching Unit permits 12 telegraph lines or EDGE lines to be switched to either of two sets of buffers
- Data Set Switching Unit permits any combination up to six data sets or automatic calling units to be switched to either of two sets of buffers



- peripherals
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70 | 15  
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 70 | 55

**For further information,  
phone or write a nearby  
RCA EDP Sales Office:**

ATLANTA, Suite 1201  
Georgia Power Bldg., 270 Peachtree St.  
525-6547

BOSTON, Suite 2200, Prudential Center  
536-0880

CHICAGO, 10 So. Riverside Plaza  
ST 2-0700

CINCINNATI, 407 Carew Tower  
441 Vine St., 241-1690

CLEVELAND, 1600 Keith Bldg.  
1621 Euclid Ave., CH 1-3450

DALLAS, 210-C Court Terrace  
Exchange Park North, FL 1-5361

DENVER, 2401 East Second Ave.  
399-1460

DETROIT, 17000 West Eight Mile Rd.  
Southfield, 356-6150

HARRISBURG, 2525 N. 7th St.  
236-9367

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908-910 South Bronough Street  
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475-0621

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