

## 2115A

```

2900 NEXT I
3000 LET V[1]=L[1]*X
3100 LET V[2]=(L[3]-L[1])*X/2
3200 LET V[M-1]=(L[M]-L[M-2])*X/2
3300 LET V[M]=(L[M]-L[M-1])*X
3400 FOR I=1 TO M
3500 LET L[I]=V[I]
3600 NEXT I
3800 LET M=(M+1)/2
3900 LET V[2*M]=0
4000 FOR K=1 TO M
4100 PRINT (K-1),V[K],(K+M-1),V[K+M]
4900 NEXT K
5000 LET

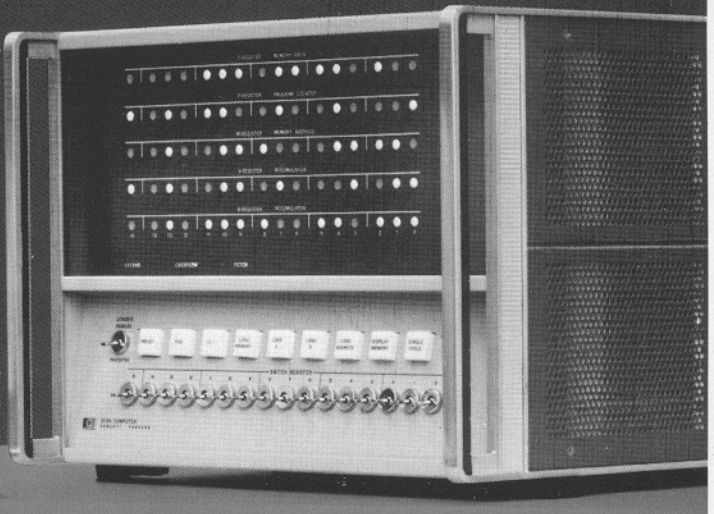
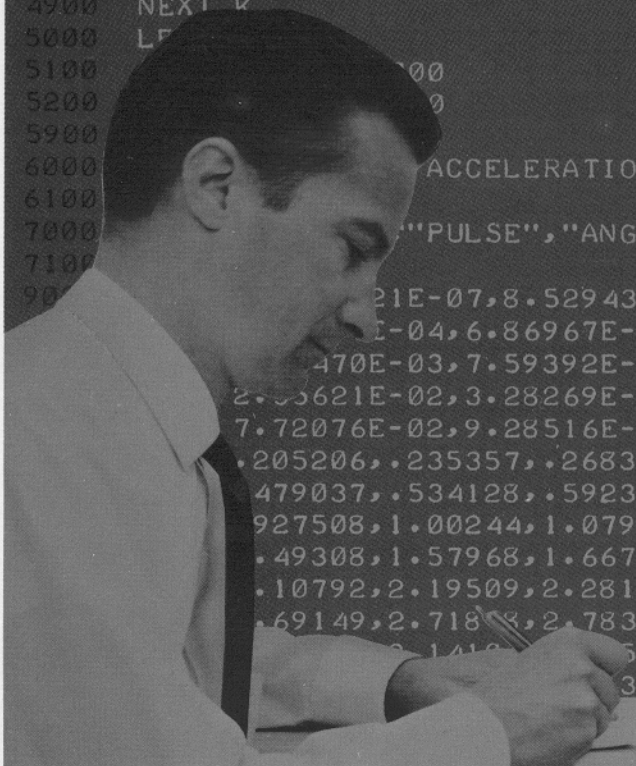
```

....a high-performance  
digital computer for  
computation and control

```

5100 LET V[2*M]=0
5200 LET V[2*M]=0
5900
6000 PRINT "ACCELERATION", "ANGLE", "ACCELERATION"
6100
7000 PRINT "PULSE", "ANGLE", "PULSE"
7100
9000 LET V[2*M]=0

```



*features found only in much larger computers*



The HP 2115A is a stored-program, general purpose digital computer. Its compact design makes no compromises in computational power or flexibility, and in fact includes features found only in much larger computers. The software and interface engineering is complete, built into the 2115A package, so the 2115A is ready to go to work immediately on your application. Included in the low price of the 2115A are: an HP 2161A Power Supply, 4K memory, and all applicable software.



*console layout make the 2115A easy to use*

## CONTROLS

**POWER.** Switches computer power on/off.

**RUN.** Starts operation at the current state of the registers.

**HALT.** Stops computer operation.

**PRESET.** Presets the computer to Fetch phase, turns off interrupt system, resets parity error indications.

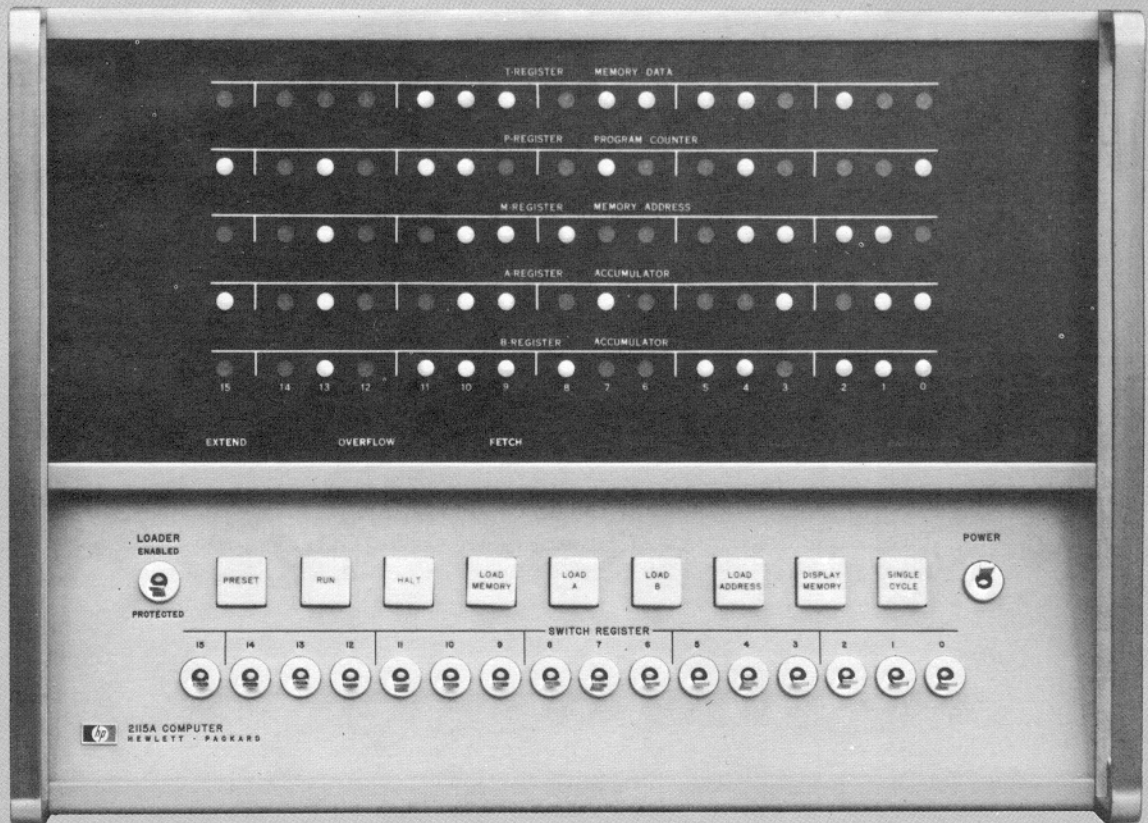
**LOAD ADDRESS.** Transfers Switch Register setting to P and M Registers.

**LOAD MEMORY.** Transfers Switch Register setting into memory (location specified by M-Register).

**LOAD A, LOAD B.** Transfer Switch Register setting into A or B Register.

**DISPLAY MEMORY.** Displays the contents of memory (location specified by M-Register) in the T-Register, increments P-Register.

**SINGLE CYCLE.** Steps program one machine cycle.



*with the 2115A input output system.  
system simply by moving plug-in cards.*



*Interface cards are installed or moved by top access.  
Device cable attaches directly to the interface card.*



*The 2115A is compact and easy to install*

## PHYSICAL SPECIFICATIONS

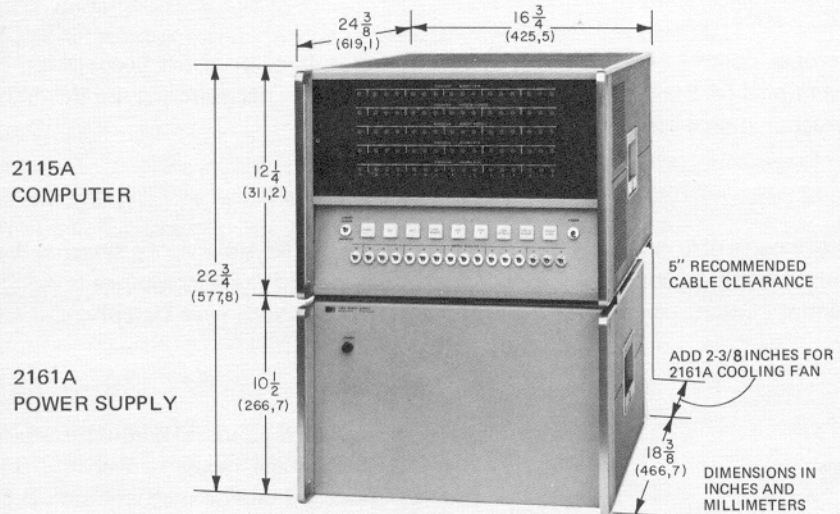
### VENTILATION

Intake at rear, exhaust at sides (both 2115A Computer and 2161A Power Supply)

### INSTALLATION

For use on bench, or in standard 19-inch rack (using furnished rack mount adapters). 6-foot power supply cables permit approximately 4-foot separation of 2115A Computer and 2161A Power Supply. (Power supply has no front panel controls, permitting installation in non-premium rack space.)

### DIMENSIONS



### WEIGHT

2115A	net 65 lb (29,5 kg)	shipping 99 lb (44,9 kg)
2161A	net 95 lb (43,1 kg)	shipping 138 lb (62,7 kg)

### POWER REQUIRED

Source: 115/230v  $\pm 10\%$ , 50 to 60 Hz

Consumption: 600W min to 1200W max, depending on number of I/O interfaces installed.

### ENVIRONMENTAL CONDITIONS

From  $+10^{\circ}$  to  $+40^{\circ}\text{C}$  ( $+50^{\circ}$  to  $+104^{\circ}\text{F}$ )

Relative humidity to 80% at  $40^{\circ}\text{C}$

### CABINETS

Single, dual and triple bay cabinets are available for rack-mounting the HP 2115A Computer, its power supply (HP 2161A) and peripherals. Cabinets include: power strip, switch and indicator lamp, power cord, caster base, fan and filter, instrument mounting rails, and blank panels for unoccupied panel space. Optional drawers and fixed and slide-out shelves may also be included. Ask for System Accessories data sheet SA-7, for ordering information.

*In-depth training in programming and maintenance, plus world-wide repair and parts service come with a computer from Hewlett-Packard.*



#### ● USER (PROGRAMMING) TRAINING

Training courses for the user-programmer are provided at the factory in Cupertino, California, on a scheduled basis. The complete User Training Course assumes no knowledge of computer programming or electronic systems operation. The course covers instruction on programming languages and operating system, and includes hands-on experience.

#### ● MAINTENANCE TRAINING

Regularly scheduled training courses are available at the factory in Cupertino, California. The hardware Maintenance Training Course assumes familiarity with digital logic circuits and covers the following subjects in depth: computer organization; logic operation and timing; I/O interfaces; fault diagnosis and repair.

#### ● REPAIR AND PARTS SERVICE

Service and parts assistance are available from Hewlett-Packard field offices throughout the United States, Canada and Europe. Local office facilities are backed up by Regional Service Centers. Major parts warehouses are located in Mountain View, California and Rockaway, New Jersey. Parts orders are filled promptly; Hewlett-Packard uses a computer-controlled parts ordering and processing system which ensures that over 90% of orders for replacement parts are shipped the same day they are received.