

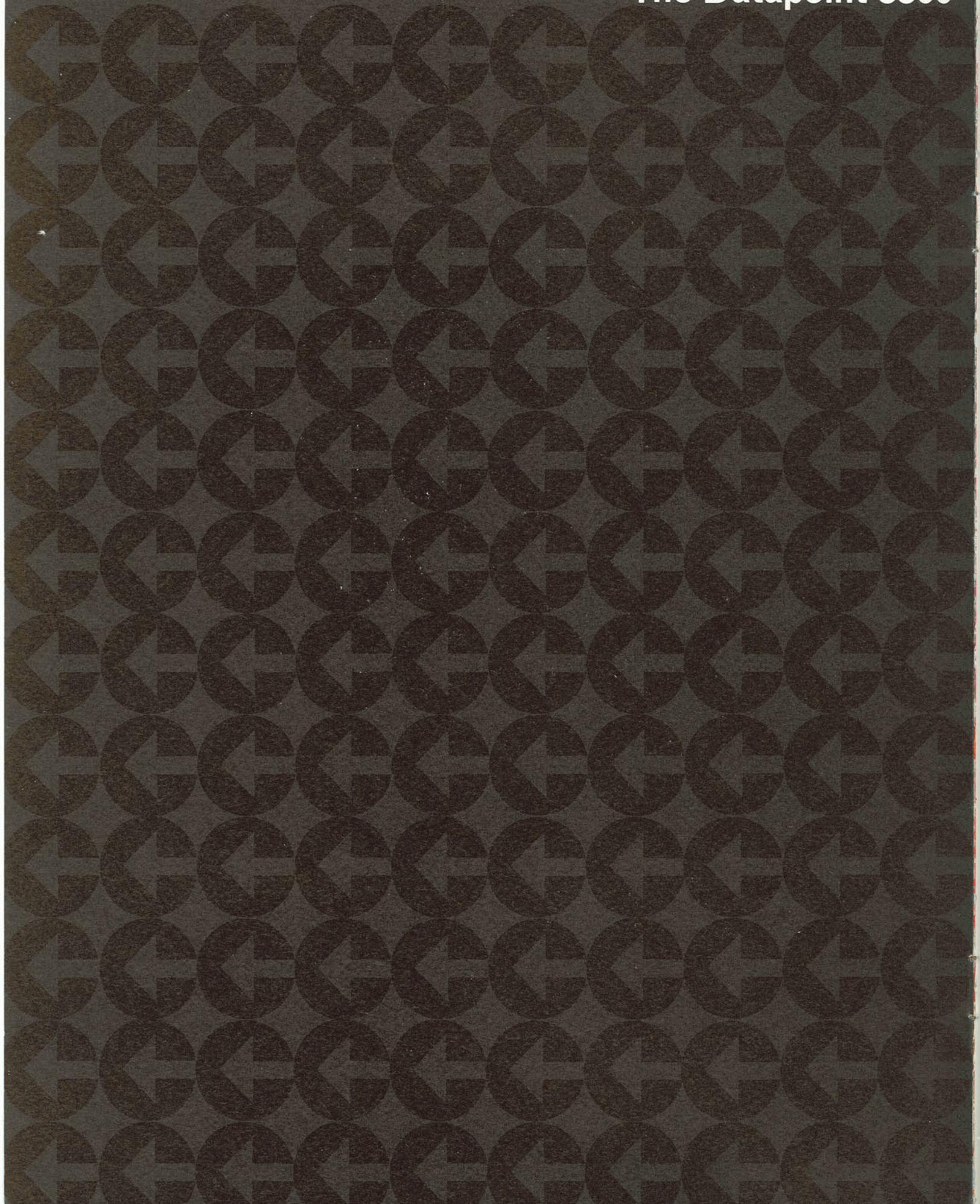
For the
Time Sharing
Computer User

Datapoint
3300



Computer Terminal Corporation
A TEXAS CORPORATION

The Datapoint 3300



Time Sharing: The revolution in professional productivity

In a few short years the time sharing method of utilizing computer power has dramatically increased the productivity of professional workers and technical executives.

Now Computer Terminal Corporation has made possible another significant boost in professional productivity through its development of the first remote data terminal designed expressly for the interactive time share computer user.

The Datapoint 3300 was developed to meet the pressing need of time sharing users for a terminal that was contoured and engineered to their particular communications requirements. Most terminal devices previously used by time sharing computer users have typically been slow, noisy, mechanical, unattractively styled and originally designed for purposes far different than man/machine communications.

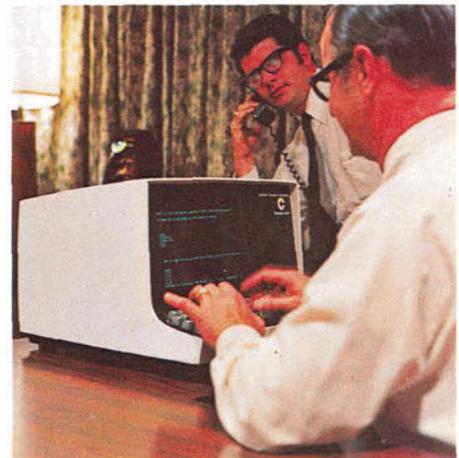
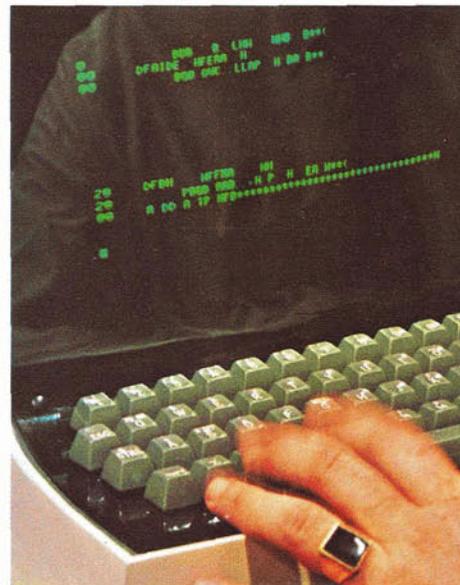
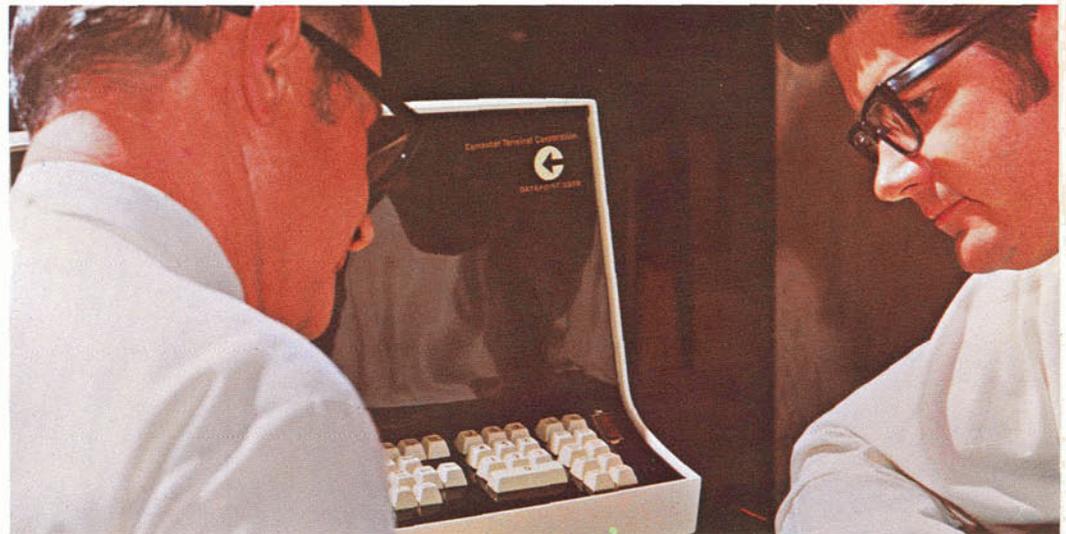
The Datapoint 3300 has evolved out of a lengthy and intense study of the remote computer user and the features he really needs in a data terminal. It incorporates in its design the capability for rapid and effective data transmission between man and machine as well as advanced "human engineering" which allow this data transfer capability to be used meaningfully and efficiently.

The development of the Datapoint 3300 is timely. Time sharing is becoming a way of life in many scientific and technical disciplines, and the time spent by professional workers at the terminal in dialogue with a distant computer is critical productivity time. There is obviously strong need for terminal equipment that will enhance, not detract, from this productivity. The Datapoint 3300 is designed to make the profes-

sional's "on line" time totally useful. With every distraction eliminated, every convenience made available, the Datapoint 3300 opens a new vista to the time share user.

Indeed with the Datapoint 3300, the transmission of data to a time shared

computer from a user's office and the return of the answer can be accomplished in a smooth, natural flow, which completely complements and enhances the critical human contribution of thought to the process of problem solution.



The Datapoint 3300: For the 'interactive' computer user

Here's why: The Datapoint 3300 combines many outstanding operating features in its handsomely designed and compact case. These include:

Completely interchangeable with Teletype. Most time share users today employ Teletype equipment for their interactive computer/communications requirements. The Datapoint 3300 can be substituted for this equipment with no more difficulty than pulling out one plug and putting in another. Absolutely no hardware or software modifications are required. The standard Datapoint 3300 can serve as a terminal to any such time share service, regardless of the central computer utilized or the software employed.

Totally self contained. The basic unit includes keyboard, CRT, refresh memory, communication interface and power supply. All the user has to do is use it.

High speed data transmission rates. The Datapoint 3300 makes available data transmission rates of 110, 150, 300, or 600 bits per second in its standard configuration, and 1200, 2400, and/or 4800 bits per second with optional speed buffer. These high data transmission rates—possible because the 3300 is not shackled to the mechanical limitations of standard teletypewriter printers—mean that lengthy program and data files can be shifted much more quickly between the terminal and the computer. "Open

line" time is reduced, and the process of problem solution is accelerated.

Handsome packaging. Styled by the nationally known firm of Raymond Loewy/William Snaith, Inc., New York, the Datapoint 3300 console blends beautifully with the decor of today's office environment. With base dimensions the same as a standard executive typewriter, the unit is available in a variety of pastel shades, and is a decorative asset to any office, plant or laboratory. In addition, the Datapoint 3300 is noiseless in operation; no bothersome hum or clatter, and hence no intrusion upon the concentration of the interactive computer user.

The Cathode Ray Tube screen of the Datapoint 3300 can display 25 lines with 72 characters in each line in a single display—a total of 1800 characters in one viewing. A keyboard controlled "cursor" can be programmed to revise, correct or delete any character, any line or any combination. Format control is easily accomplished on the Datapoint 3300 through visual checking, correction and modification of data shown on the CRT screen.

Easy readability. Each character displayed on the CRT screen enjoys a 60-cycle-per-second "refresh" rate, which means that numbers and characters do not flicker—they are distinctly formed, stable, and as legible as the words on this page. A tinted glass shield over the CRT

screen reduces glare, and makes the Datapoint 3300 an even more comfortable tool to use.

Solid State Technology. The operational breakthrough for time sharing users represented by the Datapoint 3300 is made possible largely by the use of advanced but proven solid state technology such as metal oxide silicon (MOS) elements which permit compact, economic packaging of all necessary componentry. In addition, the use of solid state componentry means high reliability, and correspondingly fewer maintenance problems with the Datapoint 3300.

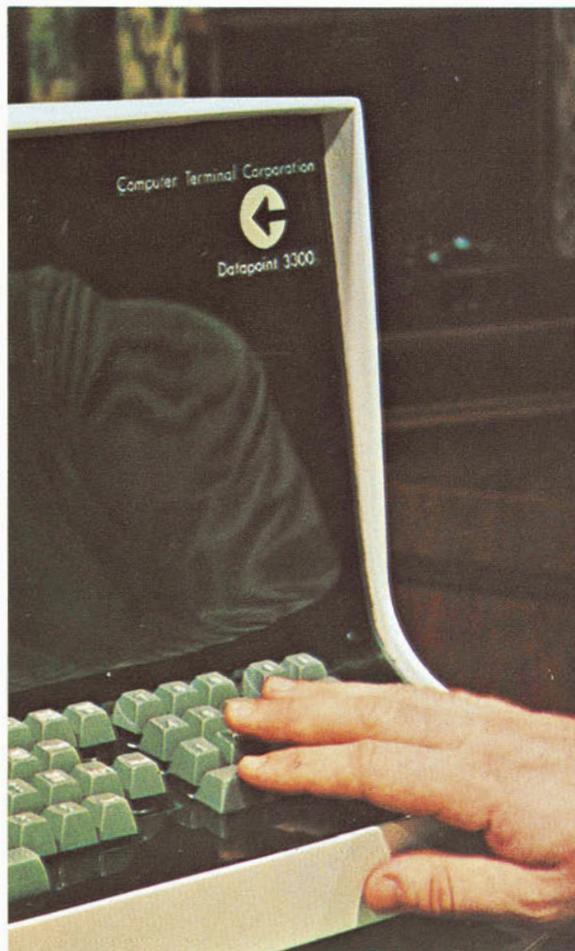
Standard Teletype keyboard format. The Datapoint is extraordinarily simple to operate. No instruction manual is required. Anyone who can type can use the 3300, either off-line or on-line. Female office help in particular will appreciate the ease of usage of the 3300 as well as the attractiveness of its design. With it, data input is no longer a tedious, unpleasant chore. The standard keyboard can also be supplemented with a ten key numerical keyboard for more rapid entry of numerical data.

Magnetic tape memory. An optional feature on the Datapoint 3300 is a magnetic tape memory which can record, and make available upon command, lines of data. The tape memory, housed in a cassette, is linked directly to the CRT screen. Data stored there can be recalled

directly to the screen, making it ideal for debugging or reviewing a lengthy program. The tape memory may also be used to record an incoming problem answer too lengthy to be displayed on the screen in one viewing.

Optional printer. For users with a hard copy requirement, the Datapoint 3300 can be equipped with an optional noise-free printer capable of producing 30 characters per second.

Low cost. The Datapoint 3300 can either be bought or leased at attractive prices, comparable to Teletype costs and far below other CRT data terminals.



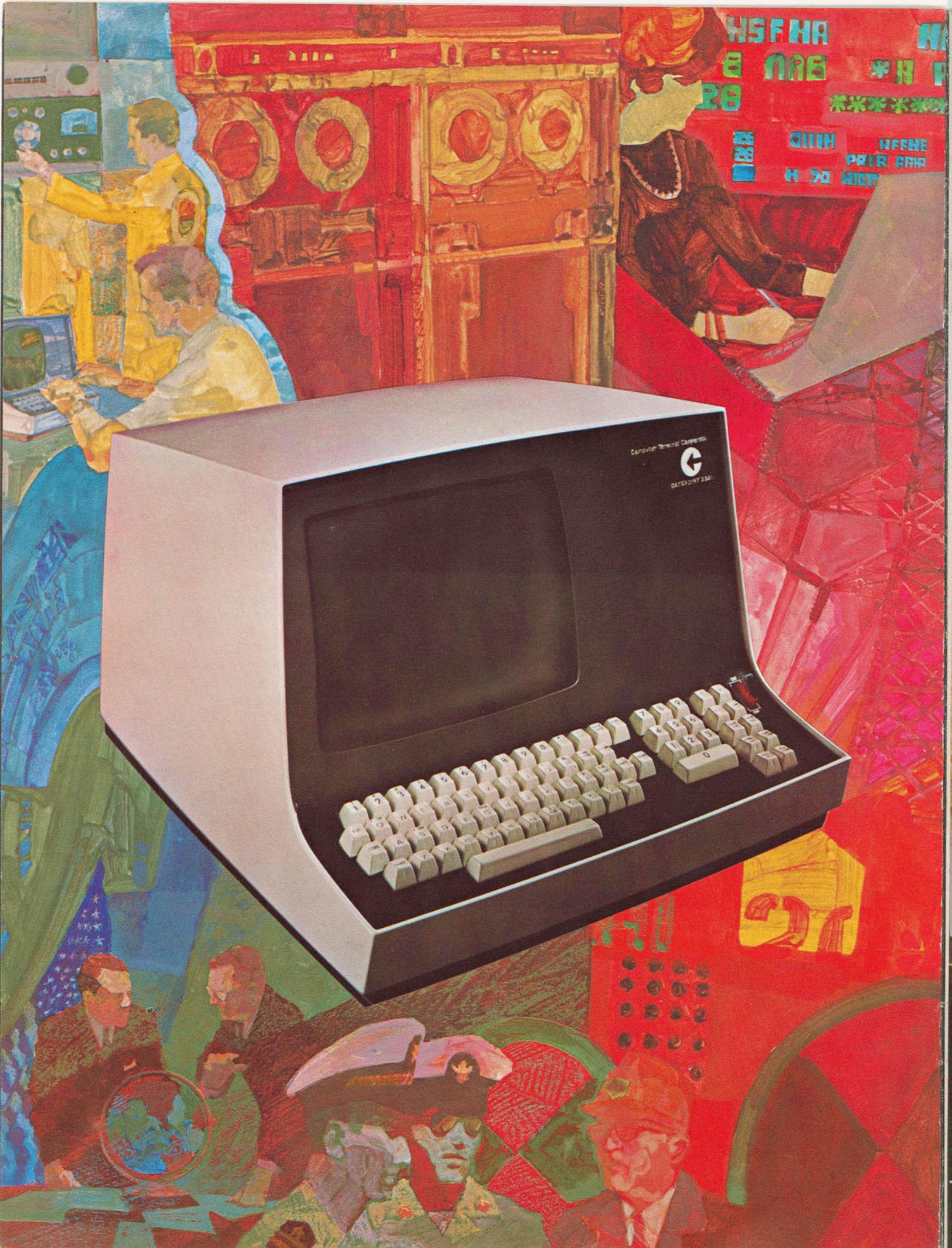
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READY
>>LIST
CTL00 13:55 01/02/69
100 MK II LIBRARY - APPLICATION PROGRAMS AND LANGUAGES
110
120 * BUSINESS AND FINANCIAL ANALYSIS
130 A PROGRAMS .LIST LIBFIN***
140 * ENGINEERING-ARCHITECTURAL
150 A PROGRAMS .LIST LIBARC***
160 * ENGINEERING-CIVIL
180 A PROGRAMS .LIST LIBCIV***
190 B. COOD. .LIST LIBCOO***
200 * ENGINEERING-ELECTRON
210 A PROGRAMS .LIST LIBELEC***
220 * ENGINEERING-MECHANICAL
230 A PROGRAMS .LIST LIBRECH***
240 * MANUFACTURING
250 A CRITICAL PATH .LIST LIBCPH***
260 NUMERICAL CONTROL .LIST LIBNC***
290 * MATHEMATICS AND STATISTICS
300 A MATH PROGRAMS .LIST LIBMTH***
310 B. STATISTICAL PROGRAMS .LIST LIBSP***
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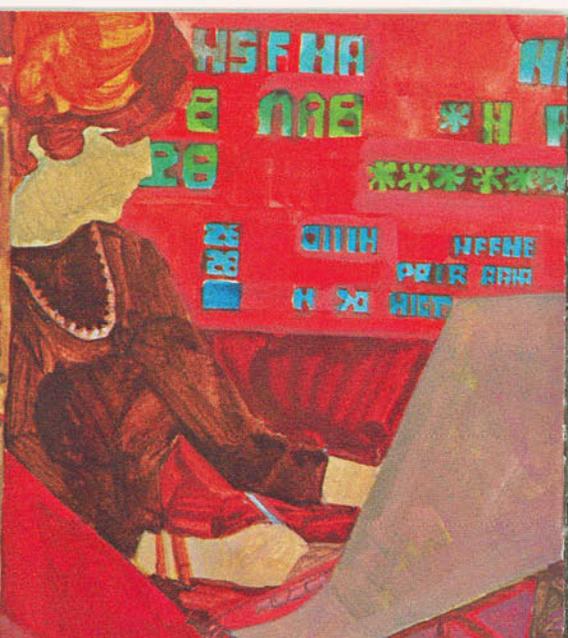
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Computer Terminal Gateway
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GATEWAY 2301

HSFNA
B UAB * H P
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HIND
HFEHE
PDR BDB
H 20 HIB



**A totally flexible
“interactive” data terminal
for engineering, scientific,
government and
business applications.**

**The only bounds to the effective use
of the Datapoint 3300 are the imagination
of the user.** The Datapoint 3300 has been
designed to serve as a data terminal
for use by time sharers, regardless of the
industry or the application. Its usage can
be as general as that of the computer.
Any situation in which rapid interactive
communication with a remote computer
is desirable is one in which the Datapoint
3300 can function effectively. As such,
the 3300 will find useful application in all
areas of business, science
and government.

Datapoint 3300 performance and operating specifications

Model no.	Datapoint 3300
Screen size	Standard 12 inch rectangular tube
Character size	0.16" x 0.11"
Number of characters	1800
Characters per line	72
Number of lines	25
Refresh rate	60 CPS, line synchronized
Type of memory	MOS semiconductor
Keyboard	Electronic, with Model 33 Teletype layout including additional controls and optional 10 key numerical entry
Controls	Cursor: up, down, left, right, home up, home down Erase: to end of line, to end of frame Frame roll: up, down Power: on, off Mode: remote—local select Transmission: full duplex—half duplex select
Cursor	Flashing, remote or local control
Input/Output Data rate	110, 150, 300, 600 BPS standard; 1200, 2400, 4800 BPS optional
Communication interface	RS 232B or current loop TTY using ASCII 8-level start-stop code
Parallel interface	Integrated circuit logic compatible with demand-response line
Auxiliary mag tape data storage	Optional (see tape unit, data sheet)
Hard copy printer	Optional (see printer unit, data sheet)
Power	130 watts
Size	18" wide, 18" long, 14" high
Weight	48 pounds

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**If you've got
something to say
to a computer
you can say it best
with a
Datapoint 3300**

Completely interchangeable with
Teletype

Totally self contained

High speed data transmission rates

Styling compatible with modern office
decor

High capacity and flexible CRT display

Easy to read characters

Solid state technology

Comprehensive (64-character-set)
keyboard

Optional magnetic tape memory

Optional printer

Optional ten key numerical keyboard

Low cost

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