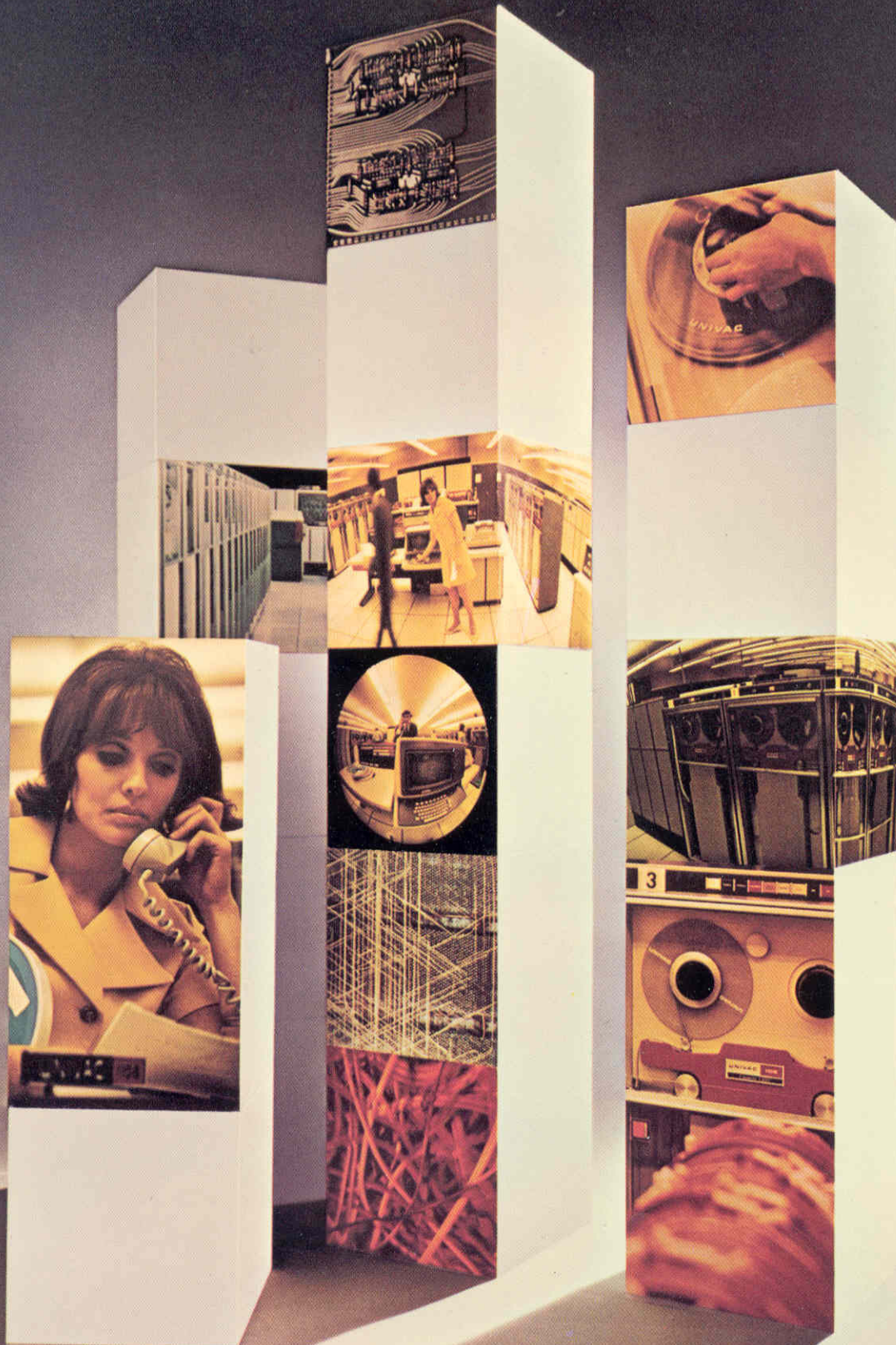


UNIVAC 1108 computer system  
...it gives you more now







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RESISTOR NPN  
RESISTOR NPN  
CAPACITOR  
CAPACITOR

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4027  
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## the UNIVAC 1108 system

With the Univac concept, you can start with it . . . and grow. And grow. And grow. UNIVAC®1100 computer systems allow you to economically obtain a system dedicated to your immediate data processing needs.

The UNIVAC 1108 system is a general-purpose multiprogramming system. It gives you tremendous computational power in any form you need. It does a lot of different things . . . on-site, remote, demand, batch, real-time. For a lot of different areas . . . business, commercial, scientific, governments and their agencies, the military . . . around the world. It does them concurrently so that each user, in effect, is the only user.

It's mass storage oriented for batch, demand and real-time users. It's communications capable . . . as are all UNIVAC 1100 systems.

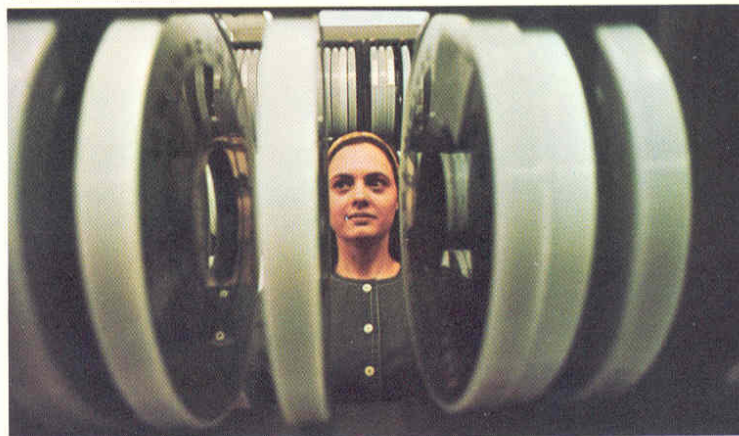
It operates totally in the Now. Your information is never dated. Neither are your decisions.

## doubled power capacity . . .

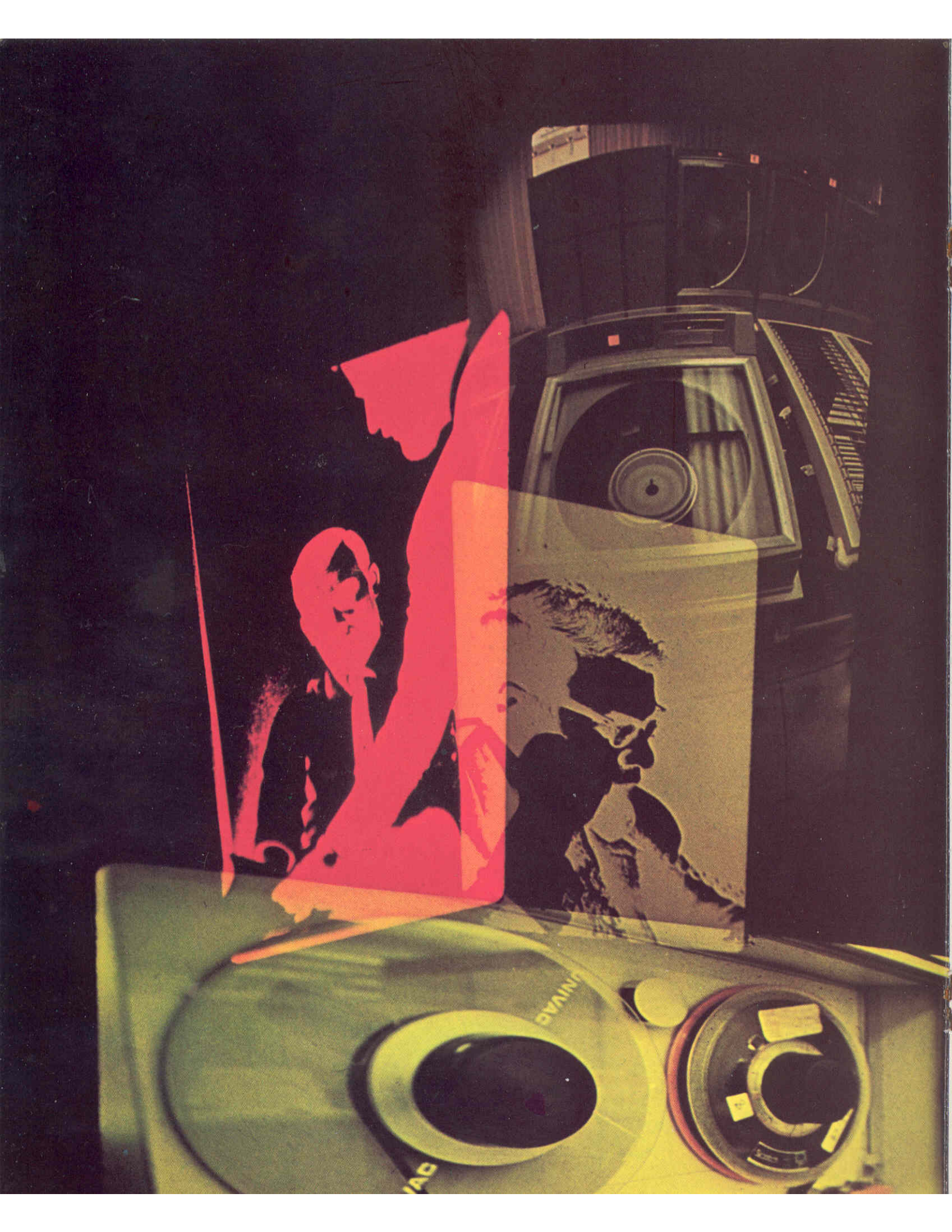
Two of the many features that make the UNIVAC 1108 system so powerful are *address interleaving* and *instruction overlap*. Here's why. Interleaved addressing allows multiple UNIVAC 1108 processors to share main storage . . . with a minimum chance of conflict or error. Overlap allows each UNIVAC 1108 processor to access its next instruction from a separate storage bank . . . all concurrent while completing its present instruction.

UNIVAC 1108 systems have a basic main storage cycle time of 750 nanoseconds.

And with overlap, you'll have an effective 375 nanosecond cycle time . . . fast enough for the most demanding organization! Your UNIVAC 1108 installation can include three central processors, including up to two input/output controllers. UNIVAC 1108 system main storage is expanded in 65K word increments. Total storage capacity for the fully expanded system is 262, 144 words of 36 bits (plus two parity bits). You can directly address six . . . nine . . . twelve . . . and eighteen bit-word portions or full 36-bit words and 72-bit double words.









### optional architecture . . .

There are special UNIVAC 1108 system configurations to meet special needs. The *Shared Processing* system is one of them. It's a two-processor system with one processor handling the input/output and the second doing the processing. And talk about efficiency! When there's idle time on the input/output processor, it assists the work of the other processor. Shared Processing gives you about 65% more computer for about an additional 11% increased investment. There's *Unitized Channel Storage*. With this enhancement, it's possible to increase job throughput as much as 50% . . . or more. Unitized Channel Storage transfers data to and from main storage . . . with "zero" latency time. Your waiting time to run those important programs is drastically reduced with Unitized Channel Storage. The UNIVAC 1108 Unitized Channel Storage subsystem is actually a peripheral extension of the system's main storage. All Unitized Channel Storage is backed up by EXEC 8 software, further assurance of programs processed the way they should be.

### EXEC 8 . . .

UNIVAC 1108 operating systems give you modular expansion capability. So that when you do expand . . . you'll do it easily. As your demands change, EXEC 8 goes along with them. You keep all of your programs and present software. You don't replace peripherals. You have a completely flexible capacity to expand in any data processing direction. EXEC 8 has proved itself in every operating environment. It's an exclusive system. But one that's completely proven and reliable.

### the UNIVAC 1108 at work . . . around the world

There's practically no limit on the UNIVAC 1108 system's flexibility. Here's proof. An electric company, is one of Japan's . . . and the world's . . . largest makers of electrical appliances. It manufactures in ten countries and has a sales organization in twelve. Their UNIVAC 1108 system works primarily in production control and sales management. And works well. Another UNIVAC 1108 system is the largest data processing system in the Netherlands. Used principally for general business and scientific processing, the UNIVAC 1108 system forms the nucleus of a computer center supporting government information requirements. The U. S. Office of Education wrote the specifications for a single integrated computer system to support 150 secondary schools, junior colleges and colleges. The UNIVAC 1108 system filled all requirements and now is performing at a large mid-western technical institute. Specific applications include direct classroom educational use, student-population record keeping, counselling and research. We've mentioned three systems. There are hundreds of UNIVAC 1100 systems in full use around the globe . . . doing many jobs for many people.



**choose . . . rental, lease or purchase**

The choice is yours.  
We offer all three.  
And we offer choices in rental and lease plans.  
Just as we work with you in designing the optimum system architecture, we'll explain the various plans for installation in your facility. We'll explore with you the investment method and the return-on-investment you can anticipate. Changing a data processing facility is a large move . . . we're anxious to be certain our recommendations are right for you.

**and then there's language . . .**

First of all, your UNIVAC 1108 system works with languages you now use or that you need to deal with other system users. The UNIVAC 1108 system comes with a universal vocabulary. Standard software includes ASSEMBLER, FORTRAN V, Conversational FORTRAN, American Standard COBOL, ALGOL, LIFT. Applications include Linear Programming, SORT/MERGE, APT III, PERT/COST, MATH-PACK, STAT-PACK, GPSS, SIMULA and SIMSCRIPT.

**total service . . .**

When you choose and accept a UNIVAC computer system, it's the beginning of a long term relationship. Our people help your people utilize your installation to its best advantage. We keep your operating staff up-to-date with useful developments. We supply software manuals as the state-of-the-art advances. And . . . assistance of this nature is included in the price of your UNIVAC 1108 real-time system.

In short, we try to give you all the help you need . . . and all of the help we possibly can to make your UNIVAC 1108 fulfill its promise.

Whatever your need in data processing, Univac most probably can supply it. UNIVAC 1108 computer systems. They're the beginning of Now.







# UNIVAC

First in real-time Computer systems.

 SPERRY RAND