UNIVAC 9200

low-cost electronic data processing system

for

SAVINGS INSTITUTIONS

- Breaks paperwork bottlenecks
- Provides fast, accurate reports and statements
- Offers a flexible source for management information
THE UNIVAC 9200 COMPUTER SYSTEM . . . .

A New Management Tool For Savings Institutions

The progressive savings institution manager realizes not only the need to hold down direct operating costs, but also the need for better and faster customer service. He knows that he must attract new savings and mortgage customers each year in order for his organization to grow. And he needs quick, economical, and precise management information to pinpoint any specific part of his operation.

Manual methods and procedures become inadequate and inefficient as the business grows. They also make it difficult and expensive to provide the kind of service which attracts and holds customers.

The solution is to utilize modern electronic data processing techniques – techniques which have proven effective in industry, government and large financial institutions. But up to now, EDP systems have been too expensive for many savings institutions to install and operate.

Now, a new low-cost computing system, the UNIVAC 9200, puts high-speed punched card data processing within the reach of most small institutions. With it, these organizations can reap the benefits of data processing without expensive capital investment.

For the long range, the 9200 provides entré into a complete and versatile family of compatible computers – the UNIVAC 9000 Series, including the 9300 Card/Tape System and the powerful 9500 Tape/Real Time System. Growth within this family is possible in very low-cost steps.
WITH A UNIVAC 9200 COMPUTER SYSTEM,

Your Customers Get . . .

- Faster service — shorter lines.
- Prompt, personalized and detailed reports and statements — easier record keeping and tax preparation.
- A feeling of confidence in your institution — all reports and statements legibly printed and completely accurate.
- Assurance that yours is a progressive institution — new customer services can be initiated at minimum expense.

And For You, A 9200 Means . . .

- Customer statements automatically prepared by computer — printed by a full format, full language printer.
- Simplified audit trails.
- Interest or dividend changes, 1099 reports, and new legislative reporting requirements handled in stride.
- Management information — daily trial balances, additional control totals, analytical reports or special statements — prepared quickly and accurately whenever required.
- Peak loads, overtime and personnel problems minimized — clerical confusion eliminated.
- Reduced cost of servicing Christmas Club and school savings accounts.

HERE'S WHY A COMPUTER SYSTEM IS ESSENTIAL IN THE PROGRESSIVE SAVINGS INSTITUTION

With a UNIVAC 9200, your savings and mortgage accounting functions are handled comprehensively, as an integrated whole. Intermediate card punching and reruns are eliminated.

The 9200's large basic memory and high computing speeds provide capability for computing additional control totals, performing many kinds of special analytical operations, and incorporating extra validity checks and probability tests in every processing step. Thus, you have an economical source of management information, and double-check accuracy in your accounts. And, the 9200's large working memory eases programming difficulties.

All of your internal reports can be printed with full format thoroughness and legibility. For example, your savings journal and mortgage transaction journal can incorporate all of the extra notes and flags that make tracing and auditing a transaction quick and simple. Unposted dividends, actual and available balance, dormant and delinquent accounts can be processed and identified easily.
Customer notices such as statements of mortgage or savings accounts or escrow analysis can be formatted to provide all details of interest to the customer clearly and completely. There is no need for confusing abbreviations which lead to time consuming inquiries.

DO NOT DESTROY - KEEP THIS COPY AS A PERMANENT RECORD OF YOUR ACCOUNT

STATEMENT OF THE MORTGAGE ACCOUNT OF

John and Merry Doe
Anytown, U.S.A.

ACCOUNT NUMBER ANALYSIS DATE
12345 No. Day Yr.

DESCRIPTION DATE DUE AMOUNT TERM MONTHLY ESCROW ESCROW REQUIRED ELAPSED REQUIRED

Fire Insurance 5 65 280.72 36 7.80 6 46.80
County Tax 10 65 170.83 12 14.24 0 0

TOTAL ESCROW REQUIRED $22.04
MONTHLY PRINCIPAL & INTEREST $22.40
1/12 OF ESCROW SHORTAGE OR OVERAGE $11.62
NEW MONTHLY PAYMENT $56.06

MORTGAGE STATEMENT AND MORTGAGE ESCROW ANALYSIS

Nothing builds business as effectively as customer good will. The best way -- maybe the only way for a savings institution -- is to demonstrate a willingness to provide EXTRA SERVICE every chance you get. Here are two suggested customer pleasers. Think you can improve on them? Maybe add a few little details or notes or summary totals? Don't be afraid to try! You have all the print power, speed and flexibility you need with the Univac 9200.
Full alpha print repertoire with 27 special symbols is available for use anywhere on the form. The standard 96-position printer provides room to list accounts three up. Optional extra print positions (up to 132) allow additional room for multiple listing or the addition of extra audit and reference aids and transaction history. The variable-print option doubles print speed on numeric lines but still allows full alpha headings when required.

### DAILY TRIAL BALANCE

Accounts are printed four-up in this example. If you prefer, you may print only three accounts per line and use the remaining columns for additional audit or reference aids and prior transaction history. Another approach is to print accounts one to a line with a thorough history of dates and amounts of past transactions. With the 1001 and variable speed printing the UNIVAC 9200 can print a daily trial balance for 10,000 accounts, in the format shown in only five minutes. With alphabetic descriptors, it would take ten minutes. If you choose to show complete account transaction history, allocating a full line for each account, it would only require 25 minutes for 10,000 accounts.

Additional management information can be derived as a by-product of all basic operating runs. At the conclusion of any run, separate recaps of summary or special analysis totals can be run off for any of your operating managers. Daily summaries of deposits, withdrawals, loans granted, and new accounts opened can be on your desk each morning to give you an up-to-the-minute picture of your institution's progress.
While savings and mortgage accounts are certainly your major interest, there are many other areas where a UNIVAC 9200 can provide extra customer services. Don't forget club accounts, home improvement loans, home improvement loan dealer accounts, expense-to-budget comparison, furniture and fixture inventory lists and depreciation.

### WEEKLY FLASH REPORT

#### WEEK OF OCT. 16

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Savings</td>
<td>$26,174,693.22</td>
</tr>
<tr>
<td>Total Club</td>
<td>$2,306,421.00</td>
</tr>
<tr>
<td>Total Mortgage Loans</td>
<td>$17,162,953.17</td>
</tr>
<tr>
<td>Total Other Loans</td>
<td>$5,617,012.27</td>
</tr>
</tbody>
</table>

#### Weeks Increase/Decrease

- **Svgs.** $62,163.09
- **Club** $5,190.00
- **Mtg.** $76,419.21
- **Other** $15,013.29

<table>
<thead>
<tr>
<th>Category</th>
<th>Opening</th>
<th>Closing</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVGS.</td>
<td>17</td>
<td>4</td>
</tr>
<tr>
<td>CLUB</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MTG.</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>OTHER</td>
<td>8</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overtime Worked</th>
<th>Main Off. Dept. I</th>
<th>1.50 Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BR 2</td>
<td>DEPT. 8</td>
<td>.75 Hrs.</td>
</tr>
<tr>
<td></td>
<td>DEPT. 1</td>
<td>2.25 Hrs.</td>
</tr>
</tbody>
</table>

**MANAGEMENT INFORMATION FLASH REPORT**

Here's the kind of flash report you can have every Monday to summarize your institution's weekly progress. If these figures aren't current enough, you can get daily reports with a weekly and monthly recap. And with the UNIVAC 9200, you can easily modify the report, or add any other management information required.
By taking advantage of the capabilities of the 9200 and the flexibility of the 9200-1001 combination the Daily Savings Posting Run as pictured above is actually 4 operations combined into 1 operation.

1. Yesterday's active balance cards are merged into the Master Balance Card File.
2. Balance cards with activity today are removed from the Master Balance Card File (Yes, even if they were in yesterday's active balance cards).
3. Transactions are posted and new balance cards are created.
4. A Trial Balance is printed to assure daily balancing of accounts

A savings transaction journal can also be created as a double check that all transactions were processed correctly.
HERE ARE FEATURES WHICH WILL BENEFIT EVERY MANAGER

- **Speed**

  The 9200's speed will minimize your peak loads and overtime. It will print a font of 63 alpha, numeric and special characters at 250 lines per minute. With a 48 character font, it will print lines of alpha-numeric data at 250 LPM, and numeric lines at 500 LPM. The 9200 Processor, when operated on-line with the optional UNIVAC 1001 Card Controller, will simultaneously read and process three separate, related 80-column card files at through-put speeds up to 2400 cards per minute. Its thin film plated wire memory provides 1.2 microsecond cycle time. The 9200 can concurrently read, calculate, punch and print at stated input/output speeds, assuring that your reports will be prepared on time.

- **Capacity**

  The basic memory of the 9200 Processor is 8192 bytes and is field expandable to 12,288 or 16,384 bytes. This gives you capacity to store complex programs and produce reports with almost unlimited totals. This large memory will permit you to store descriptions, tables, columnar headings, etc., thereby eliminating master cards and minimizing the key punching of descriptive data. The high-speed bar printer reproduces 63 alpha, numeric and special characters. Each printed line can contain up to 132 characters; any character prints in any position. Type bars interchange in 60 seconds to permit use of special fonts.

- **Advanced Design**

  Monolithic integrated circuits — complete circuits on tiny silicon wafers — reduce both space needs and power consumption. Both processor and printer are housed in a single compact cabinet.

- **Simplicity**

  The operation and programming of the 9200 is so simple that it is well within the capabilities of your personnel. Univac provides an installation control plan which guides you step-by-step through your system conversion. And programming is simplified with the Univac Report Program Generator which permits your personnel to program a variety of your standard reports within a short time.

- **Economy**

  Here's where the 9200 really shines. This modern, high-speed, internally programmed computer is available at a price equivalent to—and in some instances less than—punched card equipment. It will produce the results that you have dreamed about, at a cost that is unbelievably low, and at speeds many times faster than your existing methods.
Flexibility

The 9200 permits you to start small and grow. Expandability is a fundamental concept - you will never be squeezed by future work loads or a possible acquisition. When your card volume outruns your capacity, you can add a 1001 Card Controller which in many situations more than doubles your card processing speed. When you need more memory, you can expand to 12K or 16K. You can add a card read/punch feature when economically feasible.

Should your master card files become unwieldy or if you outgrow the 9200, you can move up within the Univac family of compatible computers. Next above the basic 9200 is the 9300 Card/Tape System, both a high-performance punched card processor and a full-power magnetic tape system. Expansion to the 9300 is easy - programs prepared for the 9200 can be run on the 9300, and your 9200 can be expanded to the larger machine on-site.

The 9300 offers "big computer" power - fast enough for the advanced and sophisticated EDP techniques of large progressive businesses. If you are thinking of offering your computer facilities to other area businesses, you won't be swamped or have to back away with this machine.
## Comparative Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>9200</th>
<th>9300</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Orientation</td>
<td>Card</td>
<td>Card/Tape</td>
</tr>
<tr>
<td>Basic Memory</td>
<td>8,192 bytes</td>
<td>8,192 bytes</td>
</tr>
<tr>
<td>Maximum Memory</td>
<td>16,384 bytes</td>
<td>32,768 bytes</td>
</tr>
<tr>
<td>Memory Cycle Time</td>
<td>1.2 μsec</td>
<td>600 nanosec</td>
</tr>
<tr>
<td>Add (Decimal) Instruction Time (Two 5 Digit Fields)</td>
<td>104 μsec</td>
<td>52 μsec</td>
</tr>
<tr>
<td>Multiply, Divide, and Edit</td>
<td>Optional</td>
<td>Standard</td>
</tr>
<tr>
<td>Card Read — Basic Reader</td>
<td>400 CPM</td>
<td>600 CPM</td>
</tr>
<tr>
<td>— 1001 Card Controller</td>
<td>1000/2000 CPM</td>
<td>1000/2000 CPM</td>
</tr>
<tr>
<td>Card Punch</td>
<td>75-200 CPM</td>
<td>75-200 or 200 CPM</td>
</tr>
<tr>
<td>Read Punch</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Print Speed (Alpha)</td>
<td>250 LPM</td>
<td>600 LPM</td>
</tr>
<tr>
<td>Variable Speed Printing</td>
<td>250/500 LPM</td>
<td>---</td>
</tr>
<tr>
<td>Numeric Printing</td>
<td>500 LPM</td>
<td>1200 LPM</td>
</tr>
<tr>
<td>Overlapped Peripherals</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Magnetic Tape Rate</td>
<td>---</td>
<td>34 KB</td>
</tr>
<tr>
<td>Simultaneous Tape Read, Write, and Compute</td>
<td>---</td>
<td>Optional</td>
</tr>
<tr>
<td>Multiplexer I/O Channel Rate</td>
<td>85K bytes/sec</td>
<td>85K bytes/sec</td>
</tr>
</tbody>
</table>

## There's More to a Data Processing System Than Ordering a Computer

When you choose Univac you are dealing with a leading manufacturer of equipment for savings institutions, with a long history of customer satisfaction, systems know-how, full technical support by qualified people and an outstanding record of product excellence. Experienced system analysts and field engineering people help with your specific application problems, and get your installation on line smoothly.

One last point. You are aware of the advantages in purchasing capital equipment. If you are considering the eventual outright purchase of a data processing system, no other manufacturer offers more favorable purchase plans, either initially or during the rental contract, than Univac.