

**UNIVAC**  
DATA PROCESSING DIVISION

**9200**

**S Y S T E M**  
**SAVINGS**  
**INSTITUTIONS**  
**APPLICATIONS**

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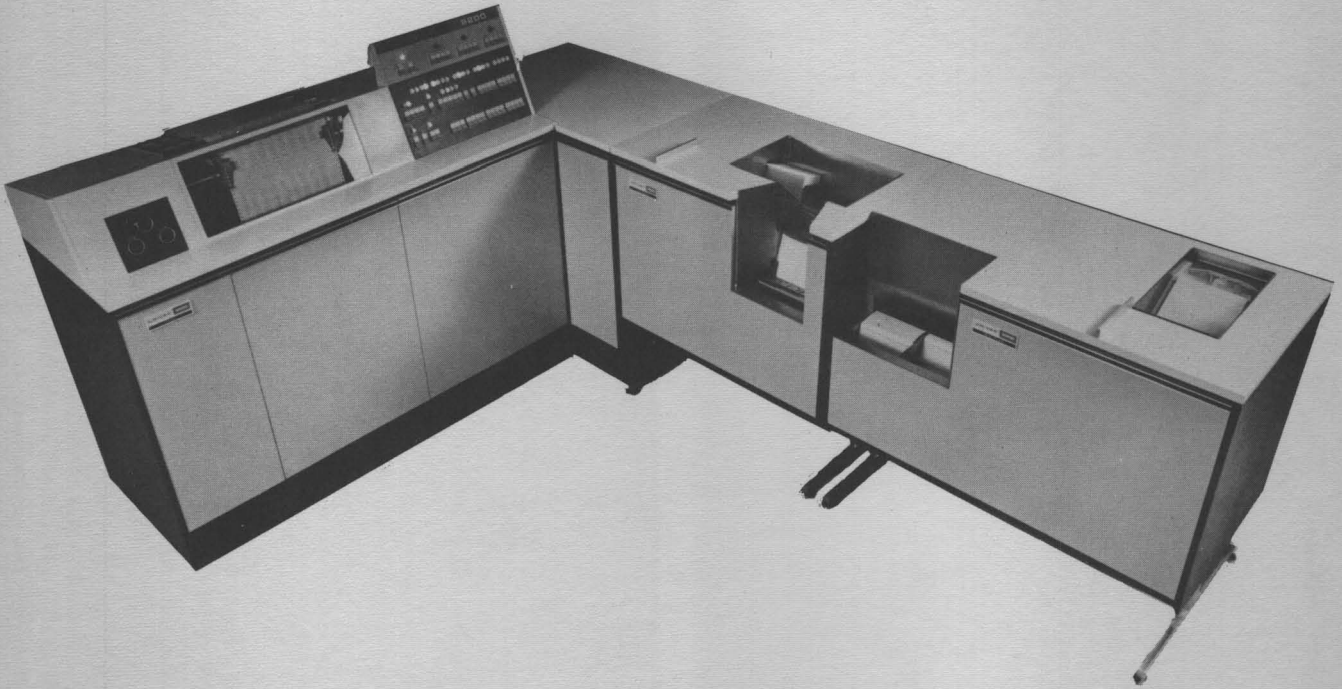
**UNIVAC 9200**

*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*



UNIVAC 1200

low-cost electronic data processing system

10

SAVINGS INSTITUTIONS

SAVINGS INSTITUTIONS

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## **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 entrée 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.

12345
YOUR LOAN NUMBER

DATE OF ENTRY		MO. PD. TO	YR. PD. TO	PAYMENTS	TRUST TRANSACTIONS	C	TRANSACTION DESCRIPTION	INTEREST	PRINCIPAL TRANSACTIONS	C	TRUST BALANCE	C	PRINCIPAL BALANCE	C
12	16	1	65								225.60		234.34	
1	13	2	65	41.15	18.75			11.71	10.69		244.35		2330.65	
2	17	3	65	41.15	18.75			11.56	10.84		263.10		2319.81	
3	11	4	65	41.15	18.75			11.41	10.99		281.85		2298.82	
4	12				280.72		C FIRE INSURANCE				1.13			
4	15	5	65	41.15	18.75			11.26	11.14		19.88		2287.68	
5	09	6	65	41.15	18.75			11.11	11.29		38.63		2276.39	
6	01	7	65	41.15	18.75			10.96	11.44		57.38		2264.95	
7	06	8	65	41.15	18.75			10.81	11.59		76.13		2253.36	
8	11	9	65	41.15	18.75			10.66	11.74		94.88		2241.62	
9	08	10	65	41.15	18.75			10.51	11.89		113.63		2229.73	
9	20				170.83		C COUNTY TAX				57.20	C		
10	12	11	65	56.06	33.66			10.36	12.04		35.16	C	2217.69	
11	09	12	65	56.06	33.66			10.21	12.19		13.12	C	2205.50	
12	13	01	66	56.06	33.66			10.06	12.34		8.92		2193.16	
				AMOUNT YOU PAID	AMOUNT APPLIED TO TRUST BALANCE			TOTAL INTEREST FOR YEAR	AMOUNT APPLIED TO PRINCIPAL BALANCE		AMOUNT HELD FOR PAYMENT OF BILLS		BALANCE OF YOUR LOAN AFTER EA. TRANSACTION	
					BILLS ARE MARKED C			\$ 130.62	CHARGES ARE MARKED C		OVERDRAFTS ARE MARKED C			

**MORTGAGE ESCROW ANALYSIS**

ACCOUNT NUMBER	ANALYSIS DATE	John and Merry Doe		
12345	MO. DAY YR.	123 Cedar Avenue		
		Anytown, U.S.A.		

DESCRIPTION	DATE DUE		AMOUNT +	TERM IN MONTHS	MONTHLY ESCROW REQUIRED	MONTHS ELAPSED	ESCROW REQUIRED
	MO.	YR.					
Fire Insurance	5	65	280.72	36	7.80	6	46.80
County Tax	10	65	170.83	12	14.24	0	

<p>THIS STATEMENT OF ANALYSIS SHOWS ANY CHANGE MADE IN YOUR MONTHLY MORTGAGE PAYMENT.</p> <p>YOUR NEW MONTHLY PAYMENT WILL BE REFLECTED IN YOUR NEXT MORTGAGE STATEMENT.</p>	<table border="0" style="width: 100%;"> <tr> <td>TOTAL MONTHLY ESCROW REQUIRED</td> <td style="text-align: right;">\$ 22.04</td> <td style="width: 20px;"></td> <td style="text-align: right;">\$ 46.80</td> <td>TOTAL ESCROW REQUIRED</td> </tr> <tr> <td>MONTHLY PRINCIPAL &amp; INTEREST</td> <td style="text-align: right;">+ \$ 22.40</td> <td></td> <td style="text-align: right;">\$ 57.20</td> <td>ESCROW BALANCE</td> </tr> <tr> <td>1/12 OF ESCROW SHORTAGE OR OF ESCROW OVERAGE</td> <td style="text-align: right;">+ \$ 11.62</td> <td></td> <td style="text-align: right;">\$ 140.00</td> <td>ESCROW SHORTAGE OR ESCROW OVERAGE</td> </tr> <tr> <td>NEW MONTHLY PAYMENT</td> <td style="text-align: right;">\$ 56.06</td> <td></td> <td></td> <td></td> </tr> </table>	TOTAL MONTHLY ESCROW REQUIRED	\$ 22.04		\$ 46.80	TOTAL ESCROW REQUIRED	MONTHLY PRINCIPAL & INTEREST	+ \$ 22.40		\$ 57.20	ESCROW BALANCE	1/12 OF ESCROW SHORTAGE OR OF ESCROW OVERAGE	+ \$ 11.62		\$ 140.00	ESCROW SHORTAGE OR ESCROW OVERAGE	NEW MONTHLY PAYMENT	\$ 56.06			
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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.

**DIVIDEND AND TRIAL BALANCE REPORT**

Your business				ANY BRANCH 01				DIVIDEND AND TRIAL BALANCE				OCTOBER 31, 1965											
OLD	DATE LAST TRANS.	BALANCE	DIVIDEND	ACCOUNT NUMBER	CK.	OLD	DATE LAST TRANS.	BALANCE	DIVIDEND	ACCOUNT NUMBER	CK.	OLD	DATE LAST TRANS.	BALANCE	DIVIDEND	ACCOUNT NUMBER	CK.						
10	103065 71665 100665	1013604 791480 12256	10751 8409 130	39616 39632 39657	4 4 8		103063 10665 11665	1000000 20982 979686	10625 223 10409	39617 39635 39660	2 9 7		51064 102365 92165	531913 154653 160922	5652 1572 1710	39623 39649 39667	6 8 4	01 10	42465 120363 51664	333244 3539942 103	3541 37612	39626 39655 40425	0 1 9
	112964 20765 91465	1782 539101 295917	19 5728 3144	41009 41796 43117	3 5 7	02	90965 11064 80765	641531 640171 310637	6816 6802 3301	41015 42408 43132	7 1 9	03	103065 101965 90865	598994 44553 47124	6363 367 501	41740 42413 43139	4 7 6		20861 91865 73064	116808 237341 209976	1241 2522 2231	41794 42415 43203	9 3 0
	63060 70765 91962	2075 1010625 87015	22 10738 925	52232 60341 80905	7 8 3	11	51865 102965 103065	10855 1336837 9808	115 14095 97	52251 60356 80906	1 5 1		10464 100265 10665	323036 935372 1032215	3432 9939 10967	53012 73091 80907	4 9 x		82359 91465 103164	1405 410327 4553	15 4360 48	53023 80327 90635	9 6 5
12	81765 103065 102464	32638 76887 53041	347 817 564	90637 92691 94718	1 1 1		80864 101265 71060	108418 20084 1125	1152 213 12	90645 92695 97005	1 4 8	13	81965 102265	214504 312804	2279 3299	92001 92940	8 x		100665 101365	718209 60897	7631 645	92015 92982	7 1

**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.

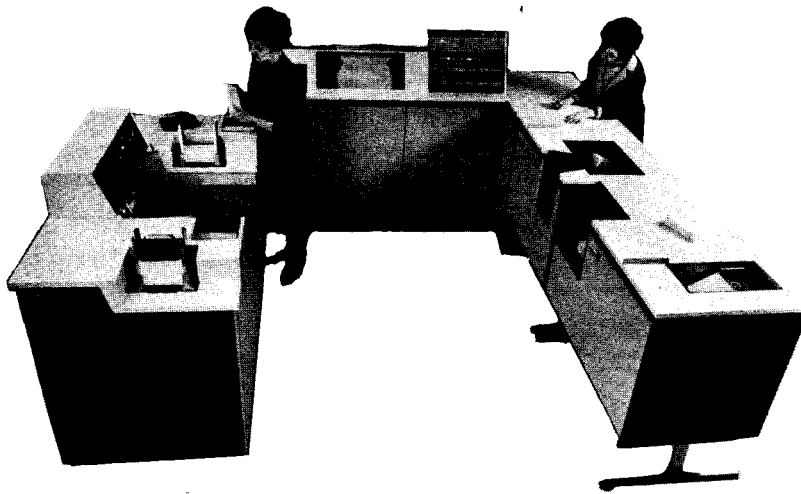


While savings and mortgage accounts are certainly your major interest, there are many other areas where a UNIVAC 9200 can provide extra customer services. Don't forget club accounts, home improvement loans, home improvement loan dealer accounts, expense-to-budget comparison, furniture and fixture inventory lists and depreciation.

WEEKLY FLASH REPORT			
<u>WEEK OF OCT. 16</u>			
Total Savings			\$26,174,693.22
Total Club			\$ 2,306,421.00
Total Mortgage Loans			\$17,162,953.17
Late			\$ 234,063.27
Total Other Loans			\$ 5,617,012.27
Late			\$ 42,013.97
Weeks Increase/Decrease	Svgs.	+	\$62,163.09
	Club	+	\$ 5,190.00
	Mtg.	+	\$76,419.21
	Other	+	\$15,013.29
ACCTS. OPENED		ACCTS. CLOSED	
SVGS.	17	SVGS.	4
CLUB	0	CLUB	0
MTG.	4	MTG.	3
OTHER	8	OTHER	6
OVERTIME WORKED	MAIN OFF.	DEPT. 1	1.50 HRS.
		DEPT. 8	.75 HRS.
	BR 2	DEPT. 1	2.25 HRS.

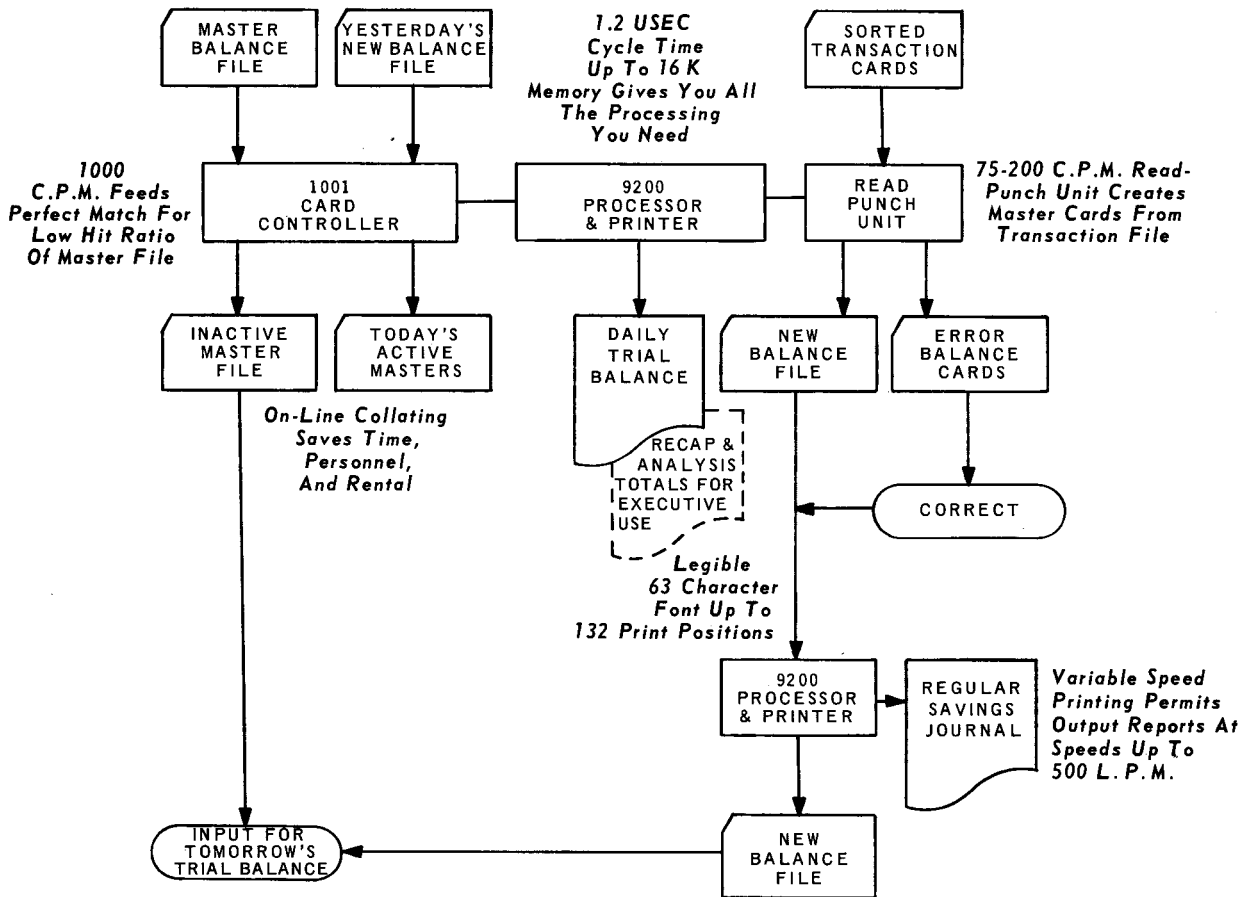
#### MANAGEMENT INFORMATION FLASH REPORT

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.



UNIVAC 9200 System with the 1001 Card Controller

DAILY SAVINGS POSTING RUN



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*

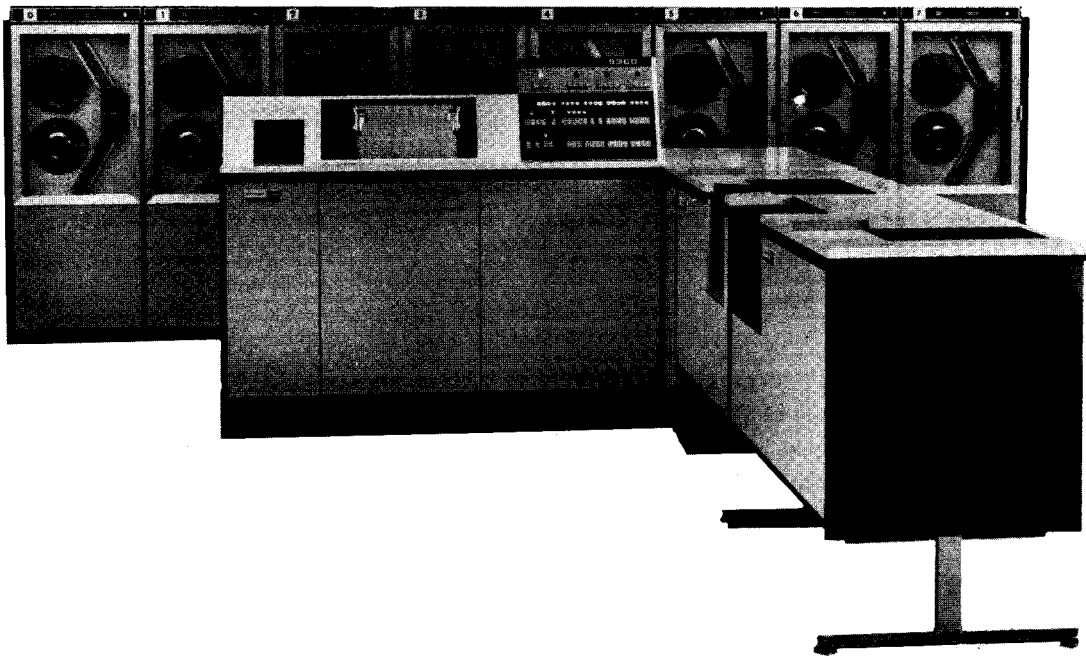
Here's where the 9200 really shines. This modern, high-speed, internally programmed computer is available at a price equivalent to –and in some instances less than – punched card equipment. It will produce the results that you have dreamed about, at a cost that is unbelievably low, and at speeds many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



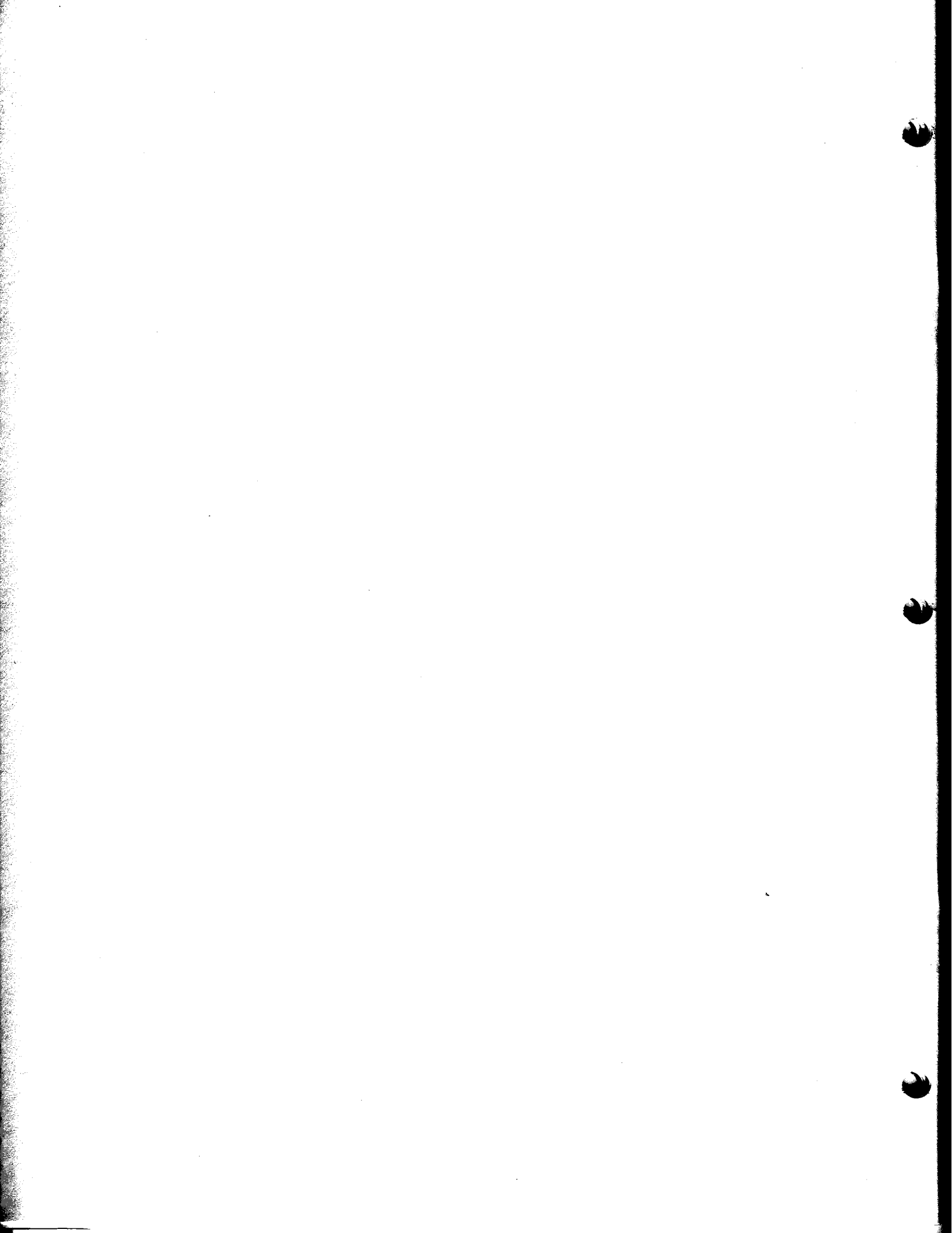
## COMPARATIVE SPECIFICATIONS

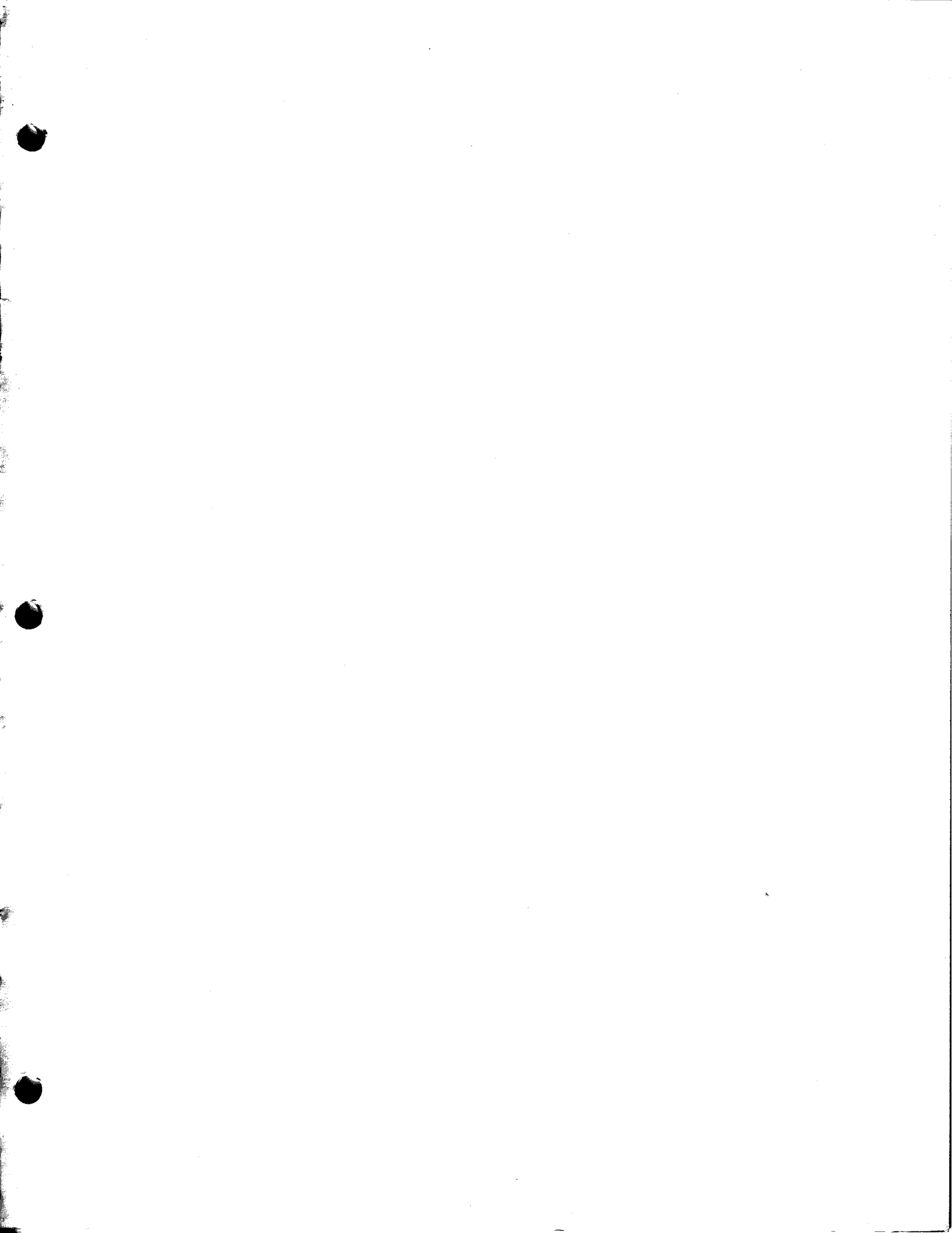
	9200	9300
SYSTEM ORIENTATION	Card	Card/Tape
BASIC MEMORY	8,192 bytes	8,192 bytes
MAXIMUM MEMORY	16,384 bytes	32,768 bytes
MEMORY CYCLE TIME	1.2 $\mu$ sec	600 nanosec
ADD (DECIMAL) INSTRUCTION TIME (TWO 5 DIGIT FIELDS)	104 $\mu$ sec	52 $\mu$ sec
MULTIPLY, DIVIDE, AND EDIT	Optional	Standard
CARD READ - BASIC READER	400 CPM	600 CPM
- 1001 CARD CONTROLLER	1000/2000 CPM	1000/2000 CPM
CARD PUNCH	75-200 CPM	75-200 or 200 CPM
READ PUNCH	Optional	Optional
PRINT SPEED (ALPHA)	250 LPM	600 LPM
VARIABLE SPEED PRINTING	250/500 LPM	---
NUMERIC PRINTING	500 LPM	1200 LPM
OVERLAPPED PERIPHERALS	Standard	Standard
MAGNETIC TAPE RATE	---	34 KB
SIMULTANEOUS TAPE READ, WRITE, AND COMPUTE	---	Optional
MULTIPLEXER I/O CHANNEL RATE	85K bytes/sec	85K bytes/sec

### 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.





**UNIVAC**  
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