Burroughs E1400
series

ELECTRONIC COMPUTING/ACCOUNTING MACHINE
with
MAGNETIC
STRIPED
LEDGER

Burroughs E 1400 ELECTRONIC COMPUTING / ACCOUNTING MACHINE

Burroughs E1400 offers two new, advanced accounting machine features that, combined with its other capabilities, provide a new level of accounting Productive Power . . .

☐ Productive Power previously available only on higher priced electronic accounting systems.

☐ Productive Power that every kind and size of business can afford.

- ● Magnetic Ink Striped Ledgers . . . They permit you to do more work, automatically and electronically.

- ● Automatic Form Alignment and Ejection . . . It saves time and forms cost, and reduces operator fatigue while increasing productivity.

Complementing these features are other vital capabilities such as Complete Alphabetic and Numeric Input, Solid State Decision Making, Electronic Computation, Electronic Factor Storage, Simplified Programing and Control, and Punched Tape or Card Output.

These features mean you can do any or all of your accounting completely, rapidly, accurately, on ONE machine . . . and with less effort and more results. That's PRODUCTIVE POWER!

This brochure explains the benefits of a fully-featured Burroughs E 1465. The E 1400 Series includes other styles with varying combinations of features so you can select the E 1400 that best suits your requirements.
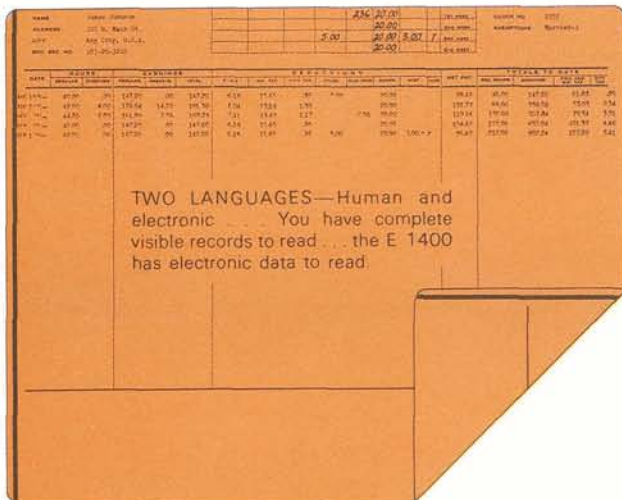
ELECTRONIC PROCESSOR   **CONSOLE**   **TAPE PUNCH***   **LEDGER READER***

*Your basic system can consist of only the Processor and Console. Tape or card punching, and the ledger reader are optional components.

THE PRODUCTIVE POWER OF MAGNETIC STRIPED LEDGERS

TWO LANGUAGES—Human and electronic . . . You have complete visible records to read . . . the E 1400 has electronic data to read.

A single magnetic ink stripe on your ledgers gives them a dramatic new meaning in your accounting. Your ledgers now directly contribute to the speed, accuracy, simplicity and productivity of accounting and report writing.

CAPACITY—The magnetic ink stripe stores, in electronic pulse form, four 12-digit words plus sign (52 positions of memory). For example in Payroll you can store: ● Earnings-to-Date ● Combined WH & FICA Tax-to-Date ● State or Other Tax-to-Date ● Federal WH Tax Exempt Earnings, and Withholding Tax Rate. NOTE that storage can consist of BALANCES and ACCOUNT DATA, and is NOT NECESSARILY RESTRICTED to one item of data per word of memory.

ACCESSIBILITY—The data stored in the stripes is in machine readable form and is automatically and electronically accessible through the E 1400 console or the automatic ledger reader.

FUNCTION—Permits the automatic and electronic pickup of account data to speed and simplify accounting and report writing. Access to any data in the ledger stripe may be selectively programed to speed and simplify report writing.

FORMS ECONOMY—Both sides of your ledger can be striped permitting full use of the form and providing reduced forms cost and storage requirements.

IMAGINE HOW MUCH FASTER, EASIER AND ACCURATE THESE AND OTHER JOBS CAN BE WITH AUTOMATIC ACCOUNT DATA PICKUP!

ACCOUNTS RECEIVABLE
- Account Number
- Account Balance
- Sales Year-to-Date

COMMERICAL LOANS
- Interest Year-to-Date
- Amount—Indirect Loans
- Amount—Direct Loans
- Account No.

BUDGETARY
- Account No.
- Total Budget
- Total Expenditures Year-to-Date
- Total Encumbrances Year-to-Date

PAYROLL
- Earnings-to-Date
- Combined Withholding & FICA Tax-to-Date
- State or other Tax-to-Date
- Federal WH Tax Exempt Earnings, and Withholding Tax Rate

INSTALLMENT LOANS
- Account No., and Months Remaining on Loan
- Payoff Balance Factor
- Loan Balance
- Total Discount, and Unearned Discount Balance

AUTOMATIC DATA PICKUP THROUGH THE E 1400 CONSOLE

The operator simply places the magnetic striped ledger between the *self-squaring form guides.* As the Automatic Form Alignment feature moves the form to the next posting line, the stored data is automatically and electronically read, checked and transferred to the system's core memory.

When she lists the verification number and transaction data, she activates the processing run. *Correct account selection is verified electronically.* The ledger is updated, and automatically ejected as the new account data is stored in the stripe. It's that simple.

THE RESULTS . . . Speed—Account Data pickup is faster because it's done electronically. Accuracy—What the E 1400 does automatically, the operator cannot do wrong. Productivity—More work in less time with less effort.
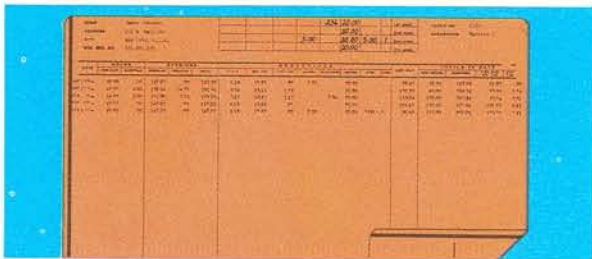
PLUS . . . AUTOMATED FORMS HANDLING

Just drop the forms between the self-squaring form guides . . .

Alignment is automatic; after posting, the forms are ejected automatically . . .

It's done through barely visible fine line perforations . . .

With the Burroughs E 1400 all your operator has to do is drop the forms in the *self-squaring form guides.* Automatically and independently the forms are moved to the next posting line. When the posting is done, they're ejected for easy operator removal.

Alignment is accomplished through the sensing of fine-line perforations in each form. These perforations do not impede printout readability or reduce available print area. Many forms sizes and types may be used.

YOU BENEFIT FROM . . .

- Faster form alignment

- Elimination of high postings

- Neat, readable records for you and your customer

- Reduced operator fatigue

- Assured uniform spacing—full use of all available posting lines

- Increased operator productivity
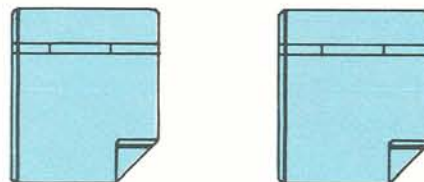
CHOICE OF CARRIAGES

There's a choice of carriage form setups available. You can choose the one that best accommodates the applications to which you want to apply the Productive Power of the E 1400
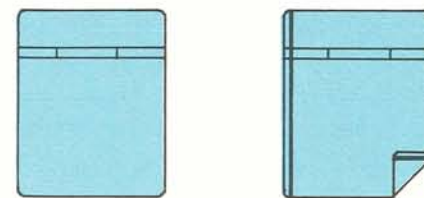
1. Conventional form left—Magnetic Striped Ledger right
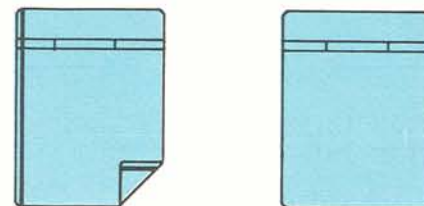
2. Magnetic Striped Ledger left—Conventional form right
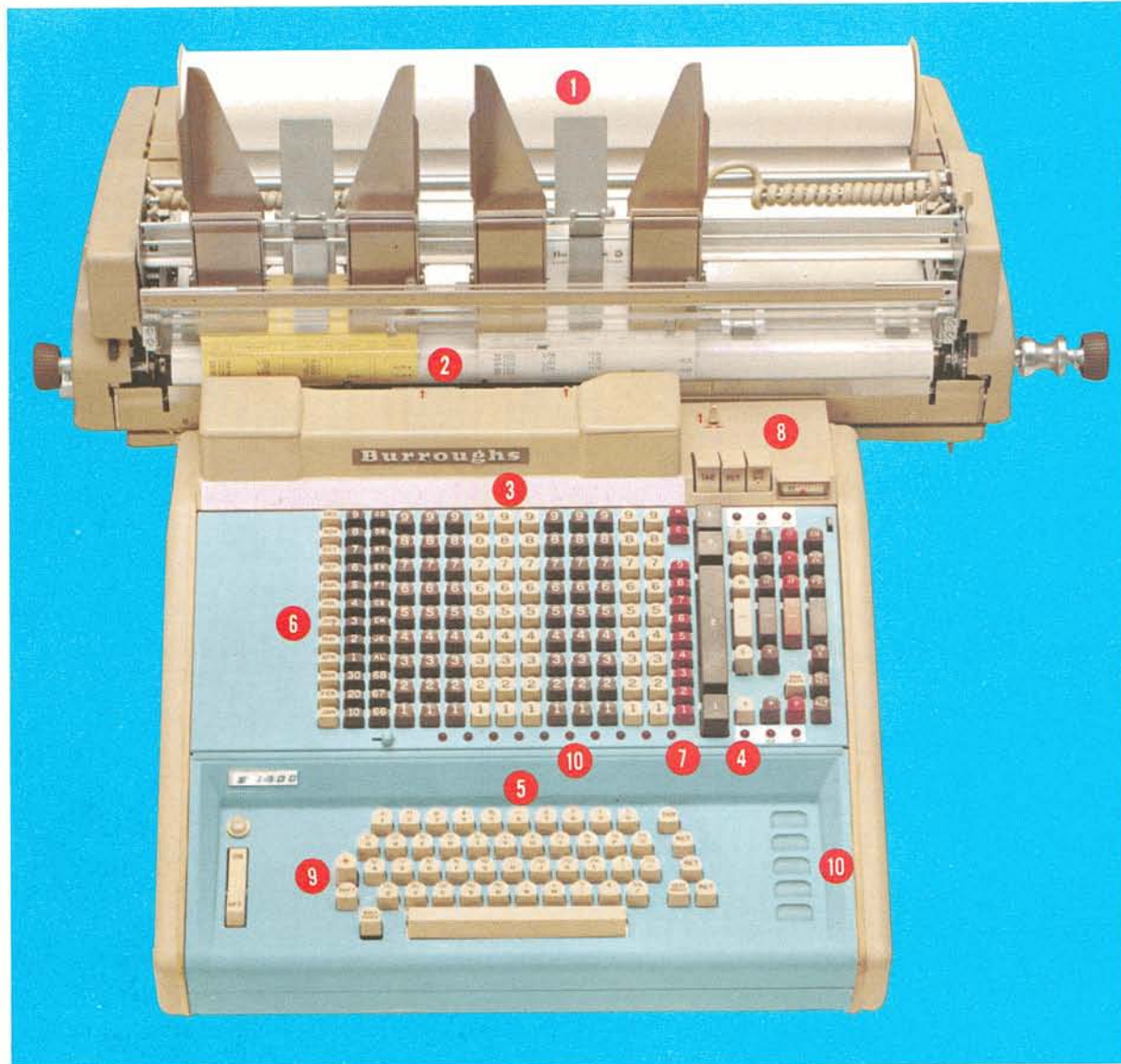

3. Dual Magnetic Striped Ledger

4. Single Magnetic Striped Ledger (or Conventional Ledger)

THE PRODUCTIVE POWER OF SIMPLIFIED INPUT AND CONTROL

The Control Console is designed with the operator in mind. It's compact and logically arranged to permit easy input of transaction data; and to provide complete operator control of operations.

CONSOLE FEATURES

1. FORMS HANDLING—Besides the automatic form alignment capability, the carriage also permits easy insertion of other forms, like vouchers and payroll checks.

2. FORMS VISIBILITY—Operator has full visibility of forms at all times so she can monitor printing operations.

3. NUMERIC KEYBOARD—It's sloped at a comfortable reading angle for easy audit. Features light key depressions, and short-cut, simultaneous indexing. Zeros are automatic. Arranged for left to right use to permit easy one-hand operation.

4. CONTROLS—Right side of numeric keyboard contains single purpose control keys to initiate processing and peripheral output. No operator guesswork, each control key performs only one function in a program position.

5. ELECTRIC TYPEWRITER—Standard key arrangement permits high-speed touch typing for heading forms or identifying data.

6. CALENDAR SECTION—Accommodates all requirements for date printing. Permits automatic repeat of date, release of day-key only, or release of complete date after each posting.

7. RANDOM ACCESS MEMORY SELECTION KEYS—Permit operator to store or read out data in the selected memory unit. Enables direct data analysis and distribution. Amounts are coded for easy identification.

8. CARRIAGE POSITION INDICATOR—Tells operator exactly where the carriage is at any given time. Makes it easy to pick up an operation at a later time or move to a specific operation. Adjacent are the carriage "Tab", "Return", "Open" and "Close" keys.

9. REVERSE ENTRY KEY—Operator need only relist incorrect data and depress to make auditable corrections on forms, control totals and punched tape or cards.

10. OPERATOR/SYSTEM COMMUNICATIONS—Display lights show operator the system status at all times. i.e. magnetic ledger status, decimal control and punching adjunct status.

THE PRODUCTIVE POWER OF THE SOLID STATE PROCESSOR

The E 1400 Electronic Processor utilizes the latest solid state techniques to provide powerful electronic capabilities.

CORE MEMORY—A Four-word magnetic core memory stores the data read from the magnetic ink striped ledger. After this data is updated, it's read out onto the striped ledger automatically.

ELECTRONIC COMPUTATION—Solid state circuitry means the E 1400 can perform computations at electronic speeds. All computations take only a fraction of a second and are within the print cycle time, permitting greater productivity.

AUTOMATIC DECISION MAKING—Solid state logic provides the ability to automatically select pre-programed subroutines based on processing conditions, e.g. skipping the F.I.C.A. computation when maximum contribution has been made. This eliminates the possibility of operator mis-judgement, reduces the chance of error and minimizes operator participation.

ELECTRONIC FACTOR STORAGE—Constant factors such as tax rates, discount rates, etc. may be programed into the processor. Factors may be introduced automatically into the accounting routine through either program or operator selection. Processors, with from 0 to 27 factor storage positions, are available.

YOU BENEFIT BECAUSE these electronic capabilities dramatically simplify complex accounting routines, speed their completion and assure maximum accuracy in any accounting job.

THE PRODUCTIVE POWER OF VERSATILE, POWERFUL PROGRAM CONTROL

Maximum effective use of the processing capabilities of the E 1400 is achieved through the exclusive, proven-in-use Burroughs Program Control Center. It features a simple though powerful programing technique which obsoletes externally attached control bars and other single job program devices.

FUNCTION—It directs and controls all carriage movement, print formatting and arithmetic functions; and initiates commands for the processor and adjuncts to perform their respective functions.

LARGE CAPACITY—It contains the programs for four or more separate and complete accounting routines. The program control center is easily removable so you can have all the programing power you need by purchasing additional program control centers.

SIMPLIFIED PROGRAM CHANGE—It's as easy as changing channels on a T.V. The simple turn of the program selector does it. No bars to juggle or other adjustments.


PROGRAMING FLEXIBILITY—The control center is designed to do your jobs the way you want them done. No need to modify your requirements to meet machine limitations.

ASSURANCE AGAINST OBSOLESENCE—Changes in your routines require only a change in the program control center.

YOU BENEFIT BECAUSE the Program Control Center has the capacity and flexibility to obtain maximum productivity from the E 1400. Burroughs not only does the programing but also delivers your system pre-programed to your specific requirements.

THE PRODUCTIVE POWER OF AUTOMATIC MAGNETIC STRIPED LEDGER INPUT
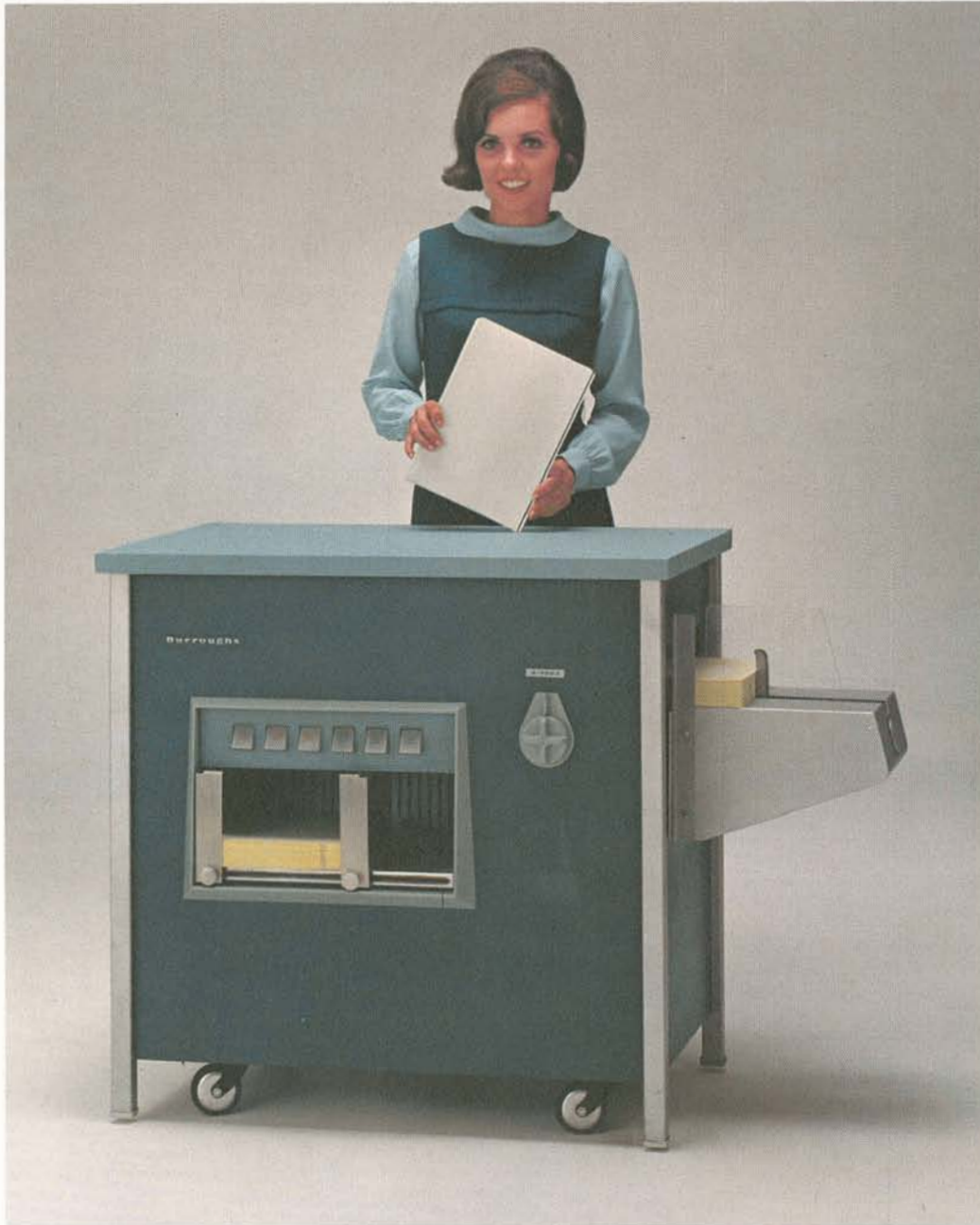
The solid state Burroughs A 4003 Automatic Ledger Reader is a powerful input component that reads the data stored in magnetic stripes and transmits it to the console for print out. It sequentially reads up to 48 cards per minute.

OPERATING SIMPLICITY—The operator simply places the ledgers in the feed hopper (500 ledger capacity) and pushes the start button to initiate the read and print cycle. Ledgers accumulate sequentially in the stacking hopper. Reading does not destroy data stored in stripes. A set of six Operator/System Communication Lights display the operating condition and provide full control over the unit.

AUTOMATIC TRIAL BALANCING—The A 4003 electronically reads and transmits the complete data stored in the stripes to the E 1400 Console for print out and trial balancing.

AUTOMATIC BALANCE TRANSFER—At the end of a specific period data can be transferred to new ledgers with ease. The operator merely places the old ledgers in the feeding hopper and the new ledger in the console carriage. All the data stored in the stripe is transferred automatically.

AUTOMATIC MANAGEMENT REPORTS—Individual magnetic striped ledgers may be read consecutively or selectively by the A 4003 to generate automatically a variety of reports. Selective read of ledgers is accomplished by simply punching holes in the top of the ledgers (as illustrated).

YOU BENEFIT BECAUSE—the A 4003 permits you to do time consuming jobs like trial balance, balance transfer and report writing, automatically. It provides more timely data, easier, faster and electronically accurate.

THE PRODUCTIVE POWER FOR A VARIETY OF OUTPUT
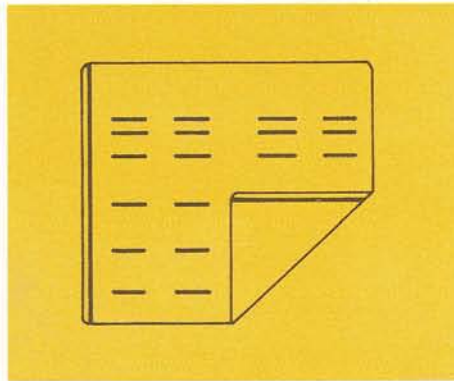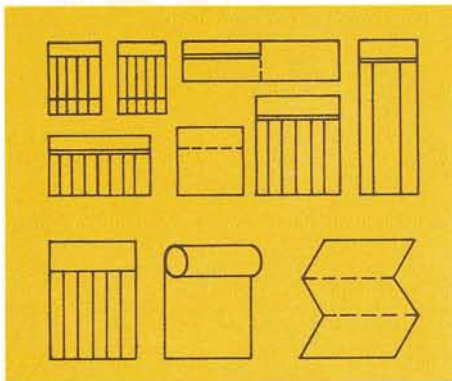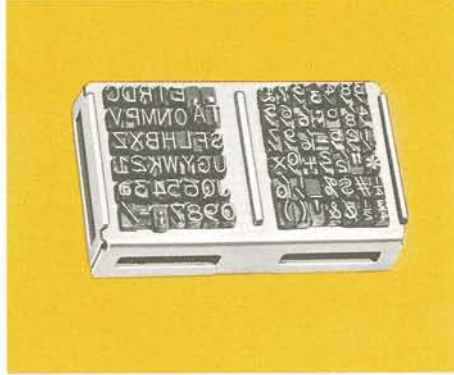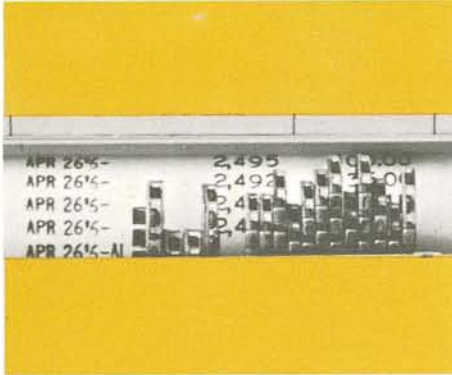
COMPLETE ALPHABETIC AND NUMERIC PRINTOUT FOR HARD COPY RECORDS AND REPORTS

Burroughs E 1400 Systems recognize your preference for easily accessible, readable, historical hard copy records.

The E 1400 console accommodates a wide variety of magnetic striped and conventional ledgers, records and reports including cut and continuous journals. It permits posting one, two or even three original records at the same time. And it produces a detail exact-copy journal as an automatic by-product.

Complete alphabetic and numeric printing output is provided through a rapid semi-gang printer and a compact 84 character unit printer. Print output covers a 220 character printing line.

This forms and printout flexibility means you can handle a wide variety of applications, completely and easily.

AUTOMATIC PUNCHED TAPE OR CARD OUTPUT FOR SUBSEQUENT PROCESSING

Many applications have unusually complex periodic statistical and management report requirements. To satisfy these requirements, E 1400 Systems are available with tape or card punching capability through a Tape Punch unit; or a Card Punch Controller. Selected alphanumeric data is captured in tape or cards as an automatic by-product of posting accounting records or preparing interim reports. Electronic features such as echo check and parity check prove the accuracy of punching. Buffered punching eliminates any possible delay in the processing speed of your system. The communication system on the console provides the status and control over the punching operation.

The punched tape or cards produced are compatible with larger EDP systems.

PLUS THESE VITAL SERVICES THAT ASSURE SUCCESS OF YOUR INSTALLATION

SYSTEMS ANALYSIS

Burroughs Systems Representatives are well trained and completely familiar with accounting and information processing problems. They are backed by a knowledgeable technical staff and a world-wide corporation dedicated to providing you with the most productive information processing systems available.

PROGRAMING

Your Burroughs Representative will deliver your system pre-programed to your specific requirements. There is no need to concern yourself with programing costs.

TRAINING

In spite of their processing power, Burroughs E 1400 Systems are simple to understand and operate. Burroughs Representatives will work with your operator until she has mastered the fundamentals of efficient system operation.
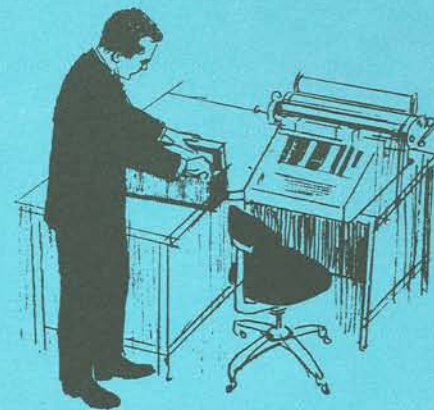
INSTALLATION

Trained Field Engineering Specialists completely familiar with your system components are ready when your system is delivered to assure proper installation. The construction of your system assures long life and dependable operation. Preventive Maintenance to keep your system at peak efficiency is available through a Burroughs Maintenance Agreement.

FLEXIBILITY FOR A VARIETY OF APPLICATIONS

Here is a list of applications which E 1400 Systems convert into highly simplified automatic operations. There are many others. If you have one, why not discuss it with your Burroughs Representative. He will be glad to show you how the Burroughs E 1400 Electronic Computing/Accounting Machine can go to work for you.

GOVERNMENT AND PUBLIC SERVICE

Payroll—wages and salaries
Tax billing
Budgetary accounts and reports
Gas, electricity, and water billing
Stores accounts
Income and expenditure analysis
Costing
Accounts payable
Expense Allocation
Hospital accounts
Check writing
Remittance advices

BANKING AND FINANCIAL

Investment accounts
Service charge calculation
Savings accounts
   with interest calculation
Mortgages

Stockbrokers' ledgers and invoices
Bills of exchange
Letters of credit
Installment loans
Dividend warrants
Check writing
Expense allocation
Payroll
Trust accounting
Leasing
General ledger
Loan schedules
Insurance billing
Real estate
Foreign exchange accounts

INDUSTRIAL

Wage accrual
Production control
Job, process, machine,
   or departmental costing

Bonus calculations
Departmental analysis
Management reports
Payroll-wages and salaries
Invoicing
Accounts receivable
Expense allocation
Budget accounts
General ledger
Accounts payable
Check writing
Voucher writing
Mill delivery schedules
Depreciation accounts
   and plant records
Statement preparation
Contractors accounts
Stock control
Inventory control

COMMERCIAL

Invoicing—simple, with costs,
   with analysis, with ledger
   posting, with representatives'
   commission, cycle billing, etc.
Budget accounts
Accounts receivable
Statement preparation
General Ledger
Accounts payable
Check writing
Payroll—wages and salaries
Management reports
Expense allocation
Sales statistics and analysis
Bonus calculations
Warehousing
Governmental reports
Costing
Stores

Wherever There's
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