The Honeywell Information System

Series 60

LEVEL 61: A NEW, LOW-COST, EASY-TO-USE COMPUTER

Savings, Simplicity, Support on a Sophisticated System.

Level 61 is here. Now you can receive the benefits of larger computers, the savings, simplicity, and support associated with office equipment, and a tool to help you run your business more effectively.

Level 61 can come right in and pay its own way, it's easy to use, and it's matched by unique support facilities. And, most important, Level 61 offers an approach different than that usually associated with the installation and use of a computer.

Level 61 suits any type of operation — like order entry — where you generate information item by item and process it the same way. The technical term is transaction processing but you know it as the way you've always done business.

With Level 61, you control mainstream operations — those activities most vital and most specific to your business — as they happen. Driven by work orders, job tickets, phone calls...Level 61 responds: storing and filing data, computing totals, providing answers to queries, preparing reports, all the diverse but important actions that make your company or office move ahead.

And, unlike many small computers, Level 61 also processes batches of information — such as your payroll data — at the same time as it processes work orders, job tickets...
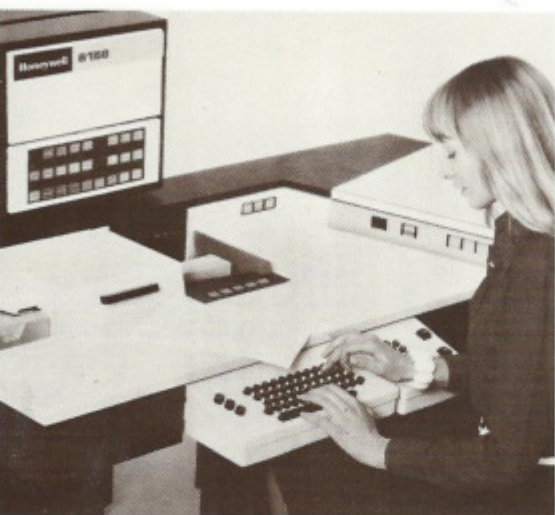
Isn't that something to think about?

Think about What It Can Do. Like all members of Honeywell's Series 60, Level 61 uses the most up-to-date programming language available, COBOL-74 and its subsets, and incorporates design concepts ensuring constant availability and reliability.

Level 61 controls up to eight terminals located anywhere in your operation. It provides a choice of line printing speeds ranging up to 650 lines per minute; magnetic disk storage of as many as 92 million alphabetic or numeric characters at the same time; 80-column card reading and punching; and up to 75 thousand memory locations for storage of your programs and fixed data where it can be accessed most quickly.

When coupled with the raw power of the computer itself, these options make Level 61 a powerful tool for processing items...individually as they occur, together in batches, or both.

Level 61 is supervised by software similar to that used on our largest systems, lets you use a report-writing capability called EDITOR, and supports a conversational (you program right from a workstation) programming language termed BASIC in addition to COBOL.

That all adds up to a lot of work Level 61 could be doing while you're managing, planning, and taking action.

Think of Where It Could Go To Work. Consider some ways Level 61 can be used. Order processing and billing: your order entry department doesn't change except for the addition of a display workstation. All day long, employees capture information on orders as they come in — by telephone, mail, salesmen. As each order arrives, a simple keyin lets the order entry department check accuracy while the Level 61 checks to see if the goods are on hand. Verification of an order causes a reduction in inventory.
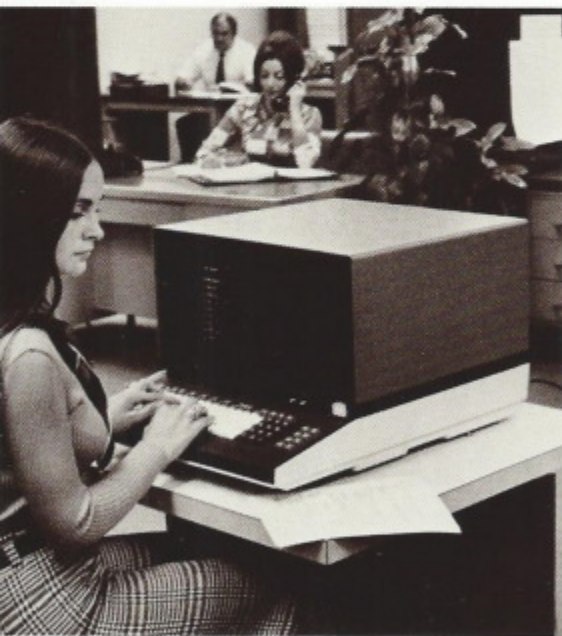
Whenever you choose, orders can be priced, invoices generated, taxes, delivery charges, etc. added. You can do this immediately if the customer carries the goods with him, or periodically — by grouping a day's or week's worth of orders together — if that suits your needs. In either case, the information is always there — accurate and up-to-date — for you to handle the way that best suits your business.
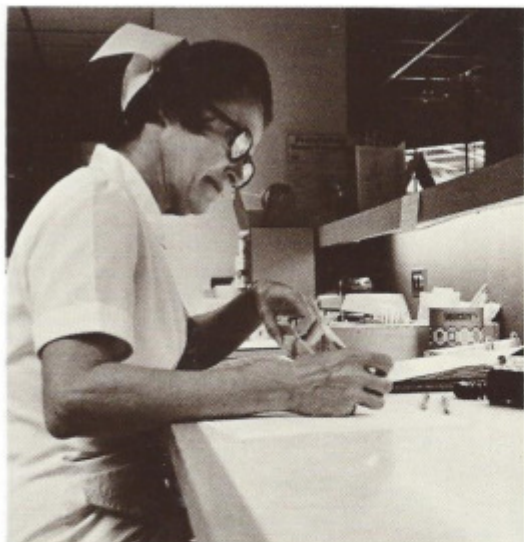
Inventory Control: if stock-on-hand, items-on-order, and safety levels are the kinds of information that matter to you, Level 61 — with its emphasis on events that change large amounts of data often — can provide it easily. From printer workstations located in the stockroom, employees respond to item availability and location directions with aisle and bin noted. Pick lists with the most efficient order of picking can be prepared periodically. In turn, the stockroom can use the workstation to quickly update files on backorders, receipts, and hot items. The tie-in with other jobs is as easy as it is obvious.

And, whether the primary use of Level 61 involves manufacturing, distribution, health care, education, or another activity, Level 61 backs up the specific use by enabling you to computerize your accounting functions.

Like accounts receivable: to maintain tight control of credit and collections, Level 61 can analyze, verify, and process both open-item and balance-forward accounts. Item-by-item, or periodically, Level 61 can record payments and reflect sales returns and special allowances. Once a day, a transaction register is on your desk. And, when you want it, an aged trial balance enables a time-period breakdown of customer accounts.

Everywhere. That's where Level 61 can go to work for you.

Level 61 has program products especially suited to the new computer user...
for inventory control, health care accounting, manufacturing, distribution,
education administration, and financial management (accounts payable
and receivable, general ledger, and payroll). They're designed to handle
the batched data environment. Every package is flexible enough to meet
your specific needs, to help you start getting results immediately, to help
you become more competitive.

Think of the Savings. In times of rising costs and stiff competition, the computer's flexibility has consistently proven itself in improving the bottom line. And you know that today, competition has never been greater and costs have never risen so rapidly.

When you transact your business with Level 61, the savings start with the basic cost and don't stop. Level 61 can save you money on training, site preparation, and power consumption. And these savings are only an indication of the cost effectiveness Level 61 can generate as it's applied across your business.

You can base management decisions on current data; collected, verified, and filed during item-by-item, day-to-day processing. For example, reports on sales trends, line profitability, and selling costs can help a store manager make decisions on everything from basic buying to the size of the sales promotion budget.

With Level 61, you could have reports like these as often as you need them. And that saves you.

Think of Simplicity You Can See. On Level 61, simplicity is a result of sophisticated GCOS Level 61 software that runs your computer while you're running your business. Keyed to the workstation and Level 61 console, the software features: access to all files by all jobs, automatic creation of an index to all data, and automatic recovery procedures.

GCOS Level 61 lets you prepare the computer for its workload with a simple set of commands. Complete but concise messages from the computer permit quick reaction to changing circumstances.

Your programs — coded in COBOL or BASIC — reside on high-capacity magnetic disks. They can be changed

easily if business procedures change, and they automatically take advantage of advanced capabilities built into Level 61.

Relate this to the possible work you could perform. You'll find that with a very small Level 61, you can start performing jobs easily, one after another, and yet still use the Level 61 console like a workstation. With a slightly larger system, two jobs — payroll and inventory query, for example — can operate simultaneously using up to four terminals. The largest Level 61 can handle more than one workstation job — order entry, billing, and query — and a batch job, all at the same time. It really is that simple. You just choose the capability you want.

Think of Simplicity You Can't See. All elements of the computer itself feature the latest technical advances, techniques that assure you that Level 61 is available when you need it, and quickly serviced when it needs it.

"Firmware" in a "Read-Only Memory" speeds supervision of processing and eases installation. Automatic "memory management and segmentation" divides your work into units so that you can write programs without worrying about their size or how they'll fit in the computer once they're written. A second processor handles communications control on some Level 61 systems, freeing the powerful central processor to seek, compute, and store your data.

But the Level 61 is so simple to install and use that you never think about the technology behind it. You just select the capability you need today and as your business grows, you add to it. You won't have to change the powerful processor for years, and a host of peripheral and workstation capabilities will continue to meet expanding needs.
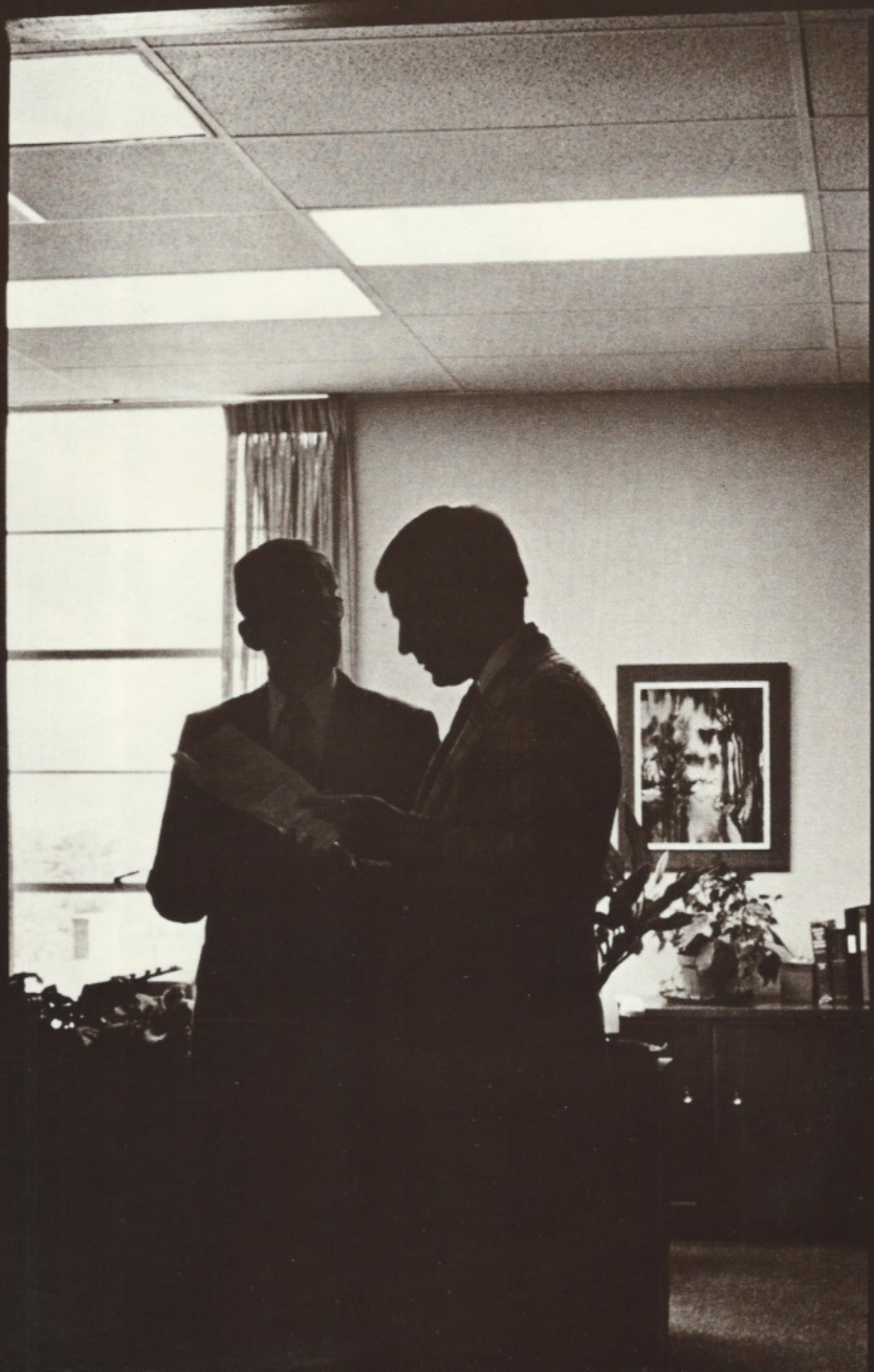
Think of Support. Behind every Honeywell Level 61 system, there's a special support center dedicated to your needs and problems. The center offers you training and documentation, business analysis assistance, close monitoring of your preinstallation activities, and computer time to test the business applications you will design. More importantly, the center provides a quick answer to any question or problems met before and after installation of the equipment, information on the latest products and services available, and a chance to meet other Level 61 users.

How do you use the center? As a supplement to your own resources. For example, you can establish — together with the center's manager — the number and priority of applications to be installed. Back at your shop, you and your employees study the business' current information flow, prepare a complete schedule of the events leading to installation, and begin to meet that schedule under the supervision of Support Center personnel. After you gather the input data needed to specialize one of our program products or to write one of your own, your people prepare the cards or disk packs you need at the center.

You know your business best and we know our products best. These strengths together with our knowledge of your industry enable you to be ready all the sooner to fully utilize the capabilities of Level 61.

Whatever your application or industry, a support center — dedicated to Level 61 users — offers the elements needed to let you quickly become competent and confident in using your new business tool.

Think of Tomorrow. Honeywell can help you achieve results through The Honeywell Information System. It's our commitment to help you achieve the goals you have set for information processing. As part of The Honeywell Information System, Level 61 users share in this commitment.

If you're concerned with what an information system can do for you now, Honeywell can help you build procedures you can understand and can work with. If you're interested in what an information system can do for you both today and tomorrow, Honeywell can help you keep your capability up to the latest industry advances while always providing the people, products, and services needed to get results. If you're concerned about the difficulty in moving from today to tomorrow, Honeywell can help you protect your investment in data processing while moving you into the future.

In short, The Honeywell Information System provides the total services you need to help solve your immediate problems and manage change as you look ahead.

Level 61 Specifications. A choice of software:

For one-job-after-another processing of batches of related data

For processing up to four workstation jobs and one batched data job at the same time (batch jobs have priority)

For processing up to eight workstation jobs and one batched data job at the same time (workstation jobs have priority)

Three programming languages: MiniCOBOL, COBOL, and BASIC

A variety of application-specific program products

EDITOR, a report-writing software product

Up to eight terminal attachments for teleprinters or display stations

Choice of terminals with full simultaneity at 4800 bits per second

Choice of punched card input speed to up to 300 cards per minute

Optical Mark Reading

Five or ten thousand-byte memories on central processors with 1.2 microsecond cycle time

Optional extended memory of up to 64 thousand bytes

Up to 92 million bytes of magnetic disk storage with each byte accessed in 35 milliseconds, on the average

Punched card output at 30 cards per minute

Choice of 100, 200, 300, 450, or 650 line-per-minute printing

The Other Computer Company:

Honeywell