Digital Research Moves to New, Modern Facility

Digital Research has expanded into a contemporary new facility overlooking Monterey Bay. This new facility adds 16,000 square feet of operating space to Digital Research's headquarters, two Victorian houses totaling 7,000 square feet. This move will more than double Digital Research's operating space. The building is located at 160 Central Avenue in Pacific Grove, Calif. The company's mailing address and phone number will remain the same. P.O. Box 579, Pacific Grove, CA 93950. (408) 649-3896.

Venture Firms Invest In Digital Research

Four leading venture capital firms recently invested in Digital Research. The four are T.A. Associates of Boston, Quist Group of San Francisco, Page Mill Partners of Palo Alto, Calif., and Verrock Associates of New York. According to President and Founder, Gary Kildall, "This relationship will give us the ability to increase research and development and will allow us to expand to provide full software systems support for a variety of microprocessors.

He adds, "Further, new display and communications technologies—as well as more sophisticated processor architectures—mean that the microcomputer software industry must approach computing from a nontraditional viewpoint. We intend to take this approach. Our new product R & D group will meet these new challenges and provide products for markets previously unapproachable by Digital Research." Kildall expects one of the greatest benefits from the investment to be the years of financial, technical and management experience brought to the company by its investors. One mechanism for exercising this business expertise is the addition of two representatives of the investors to Digital Research's board of directors.

Jacqueline C. Morby of T.A. Associates and Larry Mohr of Hambrecht & Quist. According to new board member Morby, a vice president of T.A. Associates, "We started looking at microcomputer software companies a year before we chose Digital Research. It's one of the few times that we as investors had an opportunity to enter on the ground floor of a new, rapidly growing industry." According to Insight Onsite (a market research firm in Saratoga, Calif.) the market for microcomputer software, now estimated at $300 million in annual sales, is expected to grow to greater than $5 billion by 1985.

"A key reason," Morby continued, "is the rapport we feel with Gary, and our feeling that he is an outstanding leader with a good understanding of the industry. We chose Digital Research because it has the strongest technological base and the strongest market position of any microcomputer software company." She adds, "It has the foundation to become the leader in this industry in the 1980's."

New Board of Directors members (I-r) Larry Mohr of Hambrecht & Quist and Jacqueline C. Morby of T.A. Associates join Gary Kildall, president and founder, Dorothy McEwen, vice president and G. Gervaise Davis III, corporate attorney.

Compiler Systems Acquired;
Language Division Formed Under Gordon Eubanks, Jr.

Digital Research Inc. has acquired Compiler Systems Inc., a $1 million language company located in Sierra Madre, Calif. As a result of the acquisition, Digital Research will form a separate division dedicated to developing and marketing microcomputer programming languages. Gordon Eubanks, Jr., president and founder of Compiler Systems has become a vice president of Digital Research. The change of the new language division, according to Dorothy McEwen, Digital Research vice president.

Compiler Systems, the first company to be acquired by Digital Research, develops and markets CBASIC®, CBASIC®86® and CB-80®, three-microcomputer programming languages. These languages are used for writing commercial software application programs. CBASIC is the industry's most widely used language for implementing business applications. CB-80, a total programming system, maintains the features of the industry standard CBASIC language, but provides many new features. Under the direction of Eubanks, the new language division will be fully operational in Pacific Grove very soon. McEwen said. Eubanks added, "Compiler Systems will maintain a full level of customer support throughout the transitional period."

The new division's products will include CBASIC®, CBASIC®86, CB-80 and Digital Research's PL/I®87™, a powerful microcomputer language that is upwardly compatible with PL/I, long offered on mainframes and standards at a few years ago as Subset G for popular microcomputers.

"CBASIC™ is more Gordon's experience with languages, combined with our continued page.

MP/M II™ Offers Record and File Locking for Multi-User, Multi-Task Systems

Digital Research recently announced MP/M II, a new operating system for multi-user microcomputer systems. It features record and file locking, as well as optional "password" protection for data security.

According to Director of Marketing, John Katsaros, the most significant features of MP/M II are record and file locking. "Together, they are designed to prevent inaccuracies in data which can result when two or more users are updating the same files (or records) at the same time," Katsaros said. For example, when a file is opened in locked mode, only one user can access it at any given time. Until the user closes the file, other requests for that file are denied.

"When a file is opened in the unlocked mode," he continued, "users can temporarily lock individual records within that file. When a record is locked, all other user requests for that record are denied, until the record is unlocked."

However, "locking a record is not the only method that users can employ to assure accurate updates to records," according to Katsaros. "Alternately, when a record is unlocked, multiple users can employ a command called "test and write record" before the update is recorded on disk. The "test and write record" command compares the updated record with an image of the original record most recently read off the disk. If the disk copy has been altered, an error message is returned to the application program."

"Finally," Katsaros said, "in the read-only mode, multiple users can read the same files but cannot alter them in any way."

An additional MP/M II feature assures privacy and security in a multi-user environment, according to Katsaros. "MP/M II offers an option that enables passwords to be assigned to directories and files for added security, all passwords are encrypted."

MP/M II also includes many utilities that previously were available only as options. These include the RMAC™ relocatable macroassembler, LINK-80™, a linker with overlay capabilities; and LIB, a program library management utility. "The RMAC utility makes MP/M II a more powerful software development operating system," according to John Katsaros, director of marketing. "The additions of LINK-80 and LIB allow OEMs much more flexibility in their ability to ship and maintain their software products."

Minimum requirements for MP/M II are: an 8080, 8085, or Z-80® processor; 4KB RAM; an interrupt, one disk subsystem and a console. It can support up to 16 printers and 16 disk drives with up to 512 megabytes of continued page.

Page 1
XLT86™ Reduces Conversion Effort in Assembly Language Program Translation

An 8- to 16-bit assembly code translator is now available from Digital Research. Called XLT86, it is designed to help ease the time-consuming process of converting CP/M® software products from 8080- to 8086-based microcomputers.

"The resulting 8086 program is both simpler and more compact than equivalent programs produced by other translators," according to Curt Geske, of the Digital Research marketing group. "Furthermore, XLT86 allows OEMs, end users and software vendors to preserve their investment in 8080-based assembly language programs when changing to 16-bit, multi-user operating systems. With a current customer base of over 300,000 users, Digital Research is providing a strong growth path for CP/M OEMs and software vendors who want to enter the 16-bit market, and for end users who want or need to upgrade their computer capability.

XLT86 is available immediately. It operates on any 8-bit CP/M or MP/M™ system, or under the VMS operating system for use on Digital Equipment Corporation VAX series mini-computers. The CP/M version is priced at $150. The VAX version sells for $600. For more information, contact Curt Geske at Digital Research, (408) 649-3896. To order XLT86, use the enclosed form.

Digital Research has CP/M-86™ for IBM Displaywriter

Digital Research Inc. announced recently that it will market a version of CP/M-86 to run on the Displaywriter, IBM's dedicated word processing system.

CP/M-86 is a higher performance, 16-bit version of CP/M, the 8-bit operating system developed by Digital Research that is the de-facto industry standard operating system for microcomputers.

The Displaywriter is IBM's major entry into the word processing market. Even though the Displaywriter is a word processor, it has all the features of a general purpose microcomputer, except a general purpose operating system, according to Bill Smale of the Marketing Group.

The IBM word processing software contains its own operating system. "This operating system is not directly available to the user. It must be made available to make the Displaywriter a general purpose microcomputer," says Smale. "In addition, you must have the application software to go with it. CP/M-86 will open up a wide variety of application software to users of the Displaywriter."

Digital Research plans to market CP/M-86 for IBM's Displaywriter independently. Shipments should begin in mid-November, said Smale. CP/M software writers will benefit from the availability of CP/M-86 on the Displaywriter. "This will open up a whole new customer base for the Independent Software Vendor writing application software for CP/M-86," Smale said. Coupled with Digital Research's Independent Software Vendor Plan, the Displaywriter product offers another marketing opportunity to the software writer.

CP/M-86 is designed for Intel's 8080 and 8086 16-bit processors. With extended address space, CP/M-86 retains the file format of CP/M for compatibility.

For information about CP/M-86 for the Displaywriter, write to the Marketing Group at Digital Research, 3250 Hanover Street, Menlo Park, CA 94025. Phone: (415) 325-2250. Telex: 227471 DIGITALUSB.
MP/M-86™ Operating System Now Being Shipped

First shipments of MP/M-86 have begun, according to director of marketing, John Katsaros. MP/M-86 is a high performance multi-user operating system based on the CP/M and MP/M II operating systems for 8-bit microcomputers. MP/M-86, however, adds new features that take advantage of the 16-bit microprocessor's increased power, Katsaros said. "MP/M-86 is the most powerful operating system to be made available for the 16-bit microcomputer. Its state-of-the-art queue system and high speed multi-tasking kernel, combined with its efficient use of memory give MP/M-86 users a fast operating system for business and scientific applications," Katsaros explained. "The compatibility of MP/M-86 with both the 8-bit CP/M and the 16-bit CP/M-86 operating systems allows existing application programs to be easily converted to the new system, making the world of CP/M-based software quickly and economically available to the MP/M user."

MP/M-86 is designed for multiple users in a multi-tasking real-time environment. Its shared code facility allows multiple users to execute programs with only one copy of the object code resident in main memory. Other features include file and record lock-out, software pipes, synchronization and communication between multiuser applications. The Terminal Message Processor allows a user to define a customized operating environment within the MP/M-86 structure. Customization for various hardware configurations is simplified through easy modification of the I/O drivers.

MP/M-86 maintains full compatibility with the CP/M-86 single-user operating system. CP/M-86 programs can be executed immediately under MP/M-86. MP/M-86 will support networking capabilities through CP/M-86, the Digital Research network operating system. MP/M-86 is compact and efficient, allowing a maximum of space for user programs. Because the file system formats of CP/M-86, CP/M, CP/M-M and MP/M are compatible, conversion from 8-bit single-user application programs running under CP/M to multi-user 16-bit applications is greatly simplified.

For more information, write to the Marketing Group at Digital Research.

MP/M Offers Record, File Locking and Password Protection for Multi-user, Multi-task Systems

continued from page 1

storage each, for total on-line storage of 8 gigabytes. MP/M II can manage up to 400K bytes of RAM. Since the nucleus of the operating system requires only 16K bytes, the remainder can be switched in 48K banks among eight users. MP/M II files are fully compatible with CP/M files. The MP/M II file system, however, allows larger files than CP/M—up to 32 Mbytes. Each file can contain two date and time stamps, to show the date and time of file creation and last access or update. Additionally, MP/M II supports CP/NET, Digital Research's network operating system that allows users to interconnect multiple microcomputers, share disks and other peripherals and provide electronic mail capability. With MP/M II, changing tasks requires only 600-900 microseconds. The interrupt mechanism is disabled for less than 150 microseconds; thus high priority interrupts may be serviced in a timely manner.

MP/M II can process error conditions in three modes, thus enabling application programs to provide users with more specific error handling information. First, it can simply print an error message and terminate the application program. Or it can print an error message and return an error code to the application program for further processing. Or, finally, it can simply return the error code to the application program for further processing.

MP/M II is a multi-user, multi-tasking operating system for 8080, 8085 and 2-80 processors. It features record and file locking, as well as optional "password protection" for data security. MP/M II is distributed on a standard format IBM single density 8-inch floppy disk. Additionally, MP/M II is supported by Digital Research's Software Performance Reporting System to provide prompt responses to technical problems associated with MP/M II.

An upgrade kit is available to convert MP/M™ 1.0 systems to MP/M II systems. If you own an MP/M 1.0 system and want to be upgraded to the latest version, the upgrade fee is $150. If you received MP/M 1.0 with your hardware, you should contact your hardware supplier for the latest version. If you bought MP/M 1.0 directly from us, contact us for ordering information about the upgrade kit. Keep in mind, you should have assembly language programming experience if you want to install the upgrade yourself.

MP/M II is priced at $450 for single purchases. For further information about MP/M II, contact the Marketing Group at Digital Research.

Enhanced TEX Creates Tables of Contents & Indexes

A faster, more powerful version of Digital Research's text formatting program is now available. Called TEX Version 2.1, its major function is to prepare documents for printout under CP/M.

TEX 2.1 is an enhanced edition of TEX 2.0. To simplify the production of longer documents, it automatically numbers pages and creates tables of contents and indexes. TEX 2.1 also allows users to link together up to three files, chain files or insert a file in the middle of the text from the user console or from a second source file.

TEX 2.1 processes files produced by the standard CP/M editor according to interspersed commands for automatic pagination, margins, heading, paragraphing, and right justification.

TEX 2.1 also offers special features for owners of Diablo 16401650 printers designed for word processing, including proportional spacing, shadow printing, backspacing, super- and sub-scripting and underlining.

TEX 2.1 is compatible with all versions of CP/M and MP/M and supports input files prepared for TEX 1.0. It requires a 20K CP/M, MP/M or CP/NET system. Indexing capability requires a 48K system.

For more information about TEX 2.1, write to the Marketing Group at Digital Research. To order TEX 2.1, use the enclosed form.
Engineer's Self-Teaching Exercise Leads to Selection of CP/M As Management Tool at Finnegan-MAT Corporation

What began as an engineer’s self-teaching exercise led to the acceptance of Digital Research’s CP/M as the standard operating system for microprocessor-based computer systems at a major manufacturer of scientific instruments.

Back in 1977, Roger Samdahl, who is now engineering manager at Finnegan-MAT Corporation in Sunnyvale, Calif., decided that it was time to learn about microprocessor-based computer systems. At that time, he was working at Syntex, a manufacturer of medical instrumentation. Inexperience—CP/M worked consistently and reliably, said Samdahl.

Another advantage of CP/M, according to Samdahl, is that it is straightforward and simple to use. After some initial difficulties getting CP/M up and running—which Samdahl attributes mostly to his own inexperience—CP/M worked consistently and reliably, said Samdahl.

“I particularly wanted access to the largest possible body of software, and one of CP/M’s strengths was the range of software that was available to run on it.”

Three years ago, Samdahl left Syntex to join Finnigan-MAT, a company that manufactures scientific instruments for analytical chemistry markets such as pollution control. He brought CP/M with him. “When I came to Finnigan-MAT, there was almost no microprocessor activity in the company at all,” said Samdahl. “Most of our systems rely on minicomputers. I decided that we could benefit from the use of microprocessor techniques in the engineering environment, both for management-related functions and for the replacement of some of the discrete logic used in our instruments.”

And, once again, Samdahl chose CP/M as the operating system. One of Samdahl’s first projects was to build a development system for preparing microprocessor code and the generation of EPROMS. Product development is still the primary application for microprocessor-based systems at Finnigan-MAT, according to Samdahl, but the fastest growing use for the CP/M-based systems is in a variety of support activities, including word processing, program planning and management, and project cost analysis. As engineering manager at Finnigan-MAT, Samdahl uses a CP/M-based microcomputer as a professional management tool. For example, all of the company’s engineering change orders are controlled with a CP/M-based system.

The key to the acceptance of CP/M at Finnigan-MAT, according to Samdahl, is that it satisfies both of the company’s needs for microprocessor-based systems—general management activities and the generation of programs and support hardware used in product development. “We’ve looked at other systems that provide one or the other,” said Samdahl. “but CP/M has the flexibility to let us do both.”

Today, Finnigan-MAT has seven microprocessor-based systems with CP/M in use in engineering and, according to Samdahl, more are on the way.

Control Characters in Submit Files

CP/M 2.2, Submit Patch #1

SUBMIT does not allow any control characters in Submit files. However, certain control characters are recognized by SUBMIT when preceded by an up arrow. The two characters “Z” should be interpreted by SUBMIT as a “Control-Z.”

The following procedure using DOT will fix this problem. Make sure the listing shown here matches yours before patching it.

(Submitted by Phil Nelson)

Where Are You?

If you have a new address, or if you are planning to relocate soon, please notify us of your new location. We want to keep you up-to-date on our activities. Please fill out the coupon below with your name, address and CP/M serial number so we’ll know where to contact you.

Mail to: Editor, Digital Research News, Digital Research Inc., P.O. Box 579, Pacific Grove, CA 93950.

| Name | |
| Address | |
| City/State | |
| Zip | |
| Serial No. | |

Return to Editor, Digital Research News, Digital Research Inc. P.O. Box 579, Pacific Grove, CA 93950.
CP/M-86 Captures Leading Share in 16-Bit World Market

Computer manufacturers, the press and other industry observers recognize Digital Research's CP/M as the leader in 8-bit operating systems. Hewlett-Packard, Wang and Xerox have all introduced CP/M-based microcomputers, and smaller companies such as Durango have made CP/M available as an option to their own proprietary operating systems on their small business systems. Now, the industry is moving into the 16-bit realm, and Digital Research is determined to move right along with it.

IBM recently announced its 16-bit personal computer, which will use CP/M-86 as its alternate operating system. With this long-awaited move, IBM joins Apple, Artecneics and Sirius Systems, which have all introduced 16-bit computers with CP/M-86 in the last six months. Can CP/M-86 achieve the same widespread acceptance in the 16-bit world as CP/M has in the 8-bit world? More than 400 different computer manufacturers use CP/M, promising Business Week to hail it as the de-facto standard of 8-bit operating systems. As yet, only a few computer manufacturers use CP/M-86. But behind the raw number is a more revealing statistic. "There are only a few hundred 16-bit machines on the market today," said John Katsaros, director of marketing. "We estimate that about 25 percent of the 16-bit installations use CP/M-86. That makes it the most widely used 16-bit microcomputer operating system."

Why? "When a manufacturer uses CP/M-86, its customers are assured of a wealth of application software," said Katsaros. "It takes only minor modification to translate programs from 8-bit to 16-bit machines, if the programs are written for CP/M. Plus our new program translator, XLT86, simplifies this conversion."

And, more than 300,000 users are already familiar with the command structure of CP/M, noted Katsaros.

"...about 25 percent of the 16-bit installations use CP/M-86. That makes it the most widely used 16-bit microcomputer operating system."

With a leading market share in the emerging 16-bit world, Digital Research is confident that it can move its CP/M base into the 16-bit market. IBM's recent announcement of its personal computer with CP/M-95 only helps, noted Katsaros. "IBM has just legitimized the 16-bit market," he said, "and I believe that we'll see much more 16-bit hardware emerging in the near future."

Digital Research will keep you informed of all new 16-bit hardware using CP/M-86 as it becomes available.

Who to Call for Support At Digital Research

We at Digital Research want to give you the best service possible. In our efforts to assist you, we would like to direct you to the kinds of information available from our different departments and to our policies regarding contacting DRI by telephone.

Marketing Department
(408) 649-3896

Technical Hot Line
(408) 375-6262

Answered during regular business hours

The Technical Hot Line is intended for use by registered Digital Research customers to answer specific questions about Digital Research products. If you are not registered, or if your question is in regard to sales, licensing, distribution or availability of DRI products or compatible application programs, please call the Marketing Department, or our foreign representatives.

When calling our Technical Hot Line, please be aware of the following:

• DRI does not make recommendations regarding the software or hardware products of any other companies.

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Operating Systems Seminar

This three day seminar is geared specifically toward helping OEMs and system integrators understand the technical capabilities of Digital Research's family of operating systems and software tools. Gary Kildall, president and founder of Digital Research, presented the technical overview of both CP/M and CP-86. Tom Rolander, operating systems developer, responsible for both the MP/M and CP/NET projects, discusses MP/M and CP/NET. One evening during each seminar is dedicated to a roundtable discussion. Finally Digital Research's marketing and technical publications groups cover advertising, small business administration, marketing and technical writing.

Through the ISV Seminars, Digital Research hopes to encourage the proliferation of quality application software for Digital Research operating systems. The ISV Seminars are supplemented by other services, such as helping ISVs tell the world about their software, and improving communication between vendors, OEMs and Digital Research. To this end, Digital Research produces a quarterly newsletter called the ISV FORUM, and publishes a catalog of CP/M-compatible software.

More than 1500 people have joined Digital Research's ISV plan. There is no membership fee. Cost of the seminar is $500; it includes breakfast and lunch each day.

For more information or dates about upcoming seminars, contact Lori Forrest, P.O. Box 579, Pacific Grove, Calif., 93950.
CP/M Compatible Software Catalog

Now Available

If you're looking for CP/M compatible software, or need to find out about companies that write and distribute it, then you should obtain a copy of Digital Research's new catalog, titled 'CP/M Compatible Software.' It lists more than 100 different companies that write CP/M compatible software. Furthermore, application type is referenced by application type, including programs for word processing, accounting, utilities, languages and vertical markets.

According to John Katsaros, director of marketing, "This is the first professionally-produced publication available in the industry that lists in one place a multitude of different computer programs that run under CP/M."

The two-color, 24-page publication will be distributed through computer retailers, distributors, system houses and CP/M manufacturers. The catalog is priced at $5. If you write CP/M software and would like to be included in the next catalog, write to Lori Forrest at Digital Research. She will send you an application form at the appropriate time.

To obtain copies, please use the enclosed order form.

Books About CP/M and PL/I: Now Available

Several commercial publishers now offer books that introduce microcomputer concepts while tutoring readers about CP/M operation. These independently-produced publications have caught on very well. The interest in tutorials for the first-time user has been so strong that we have decided to offer these books to our customers through our own distribution channels. The books include:

- CP/M Primer, by Muntha and Waite, presents a theoretical approach. It describes concepts and history before presenting examples to try. Technical illustrations and lighter "cartoons" appear on nearly every page. The spiral binding makes the pages flat, and it contains a cut-out CP/M reference card. Price: $11.95.


- Using CP/M, by Fernandez and Ashby, published by John Wiley and Sons, is "a self-teaching guide." It presents three or four tutorial paragraphs, then questions the reader for understanding. Using CP/M teaches version 2.0 and standard utilities, and it contains a two-page command reference summary. Price: $8.95.

Date Structures and PL/I Programming, by Augenstein and Tenenbaum, published by Prentice-Hall, is a text on advanced programming techniques using the PL/I language. This book is on PL/I, of which CP/M is a subset. The text focuses on the use of advanced abstract data structures such as arrays, trees, linked lists, stacks, and their form in the PL/I programming language. Data Structures and PL/I Programming is written for the experienced programmer. Price (hardcover): $25.95.

If one of these is the right book for you, please see the enclosed form for ordering information.

CP/M Compatible Software Available

by Sol Libes

CP/M has many advantages over other microcomputer disk operating systems, but perhaps most important is its huge public domain software base. Thanks to the efforts of the CP/M User Group (CP/MUG) and the Special Interest Group (SIG/M) more than 75 volumes containing well over 300 programs are available in the public domain. Most of the software is in source code form, and is stored by the groups in special public "libraries" on 8-inch single density floppy disks. There are languages, application packages, utilities, games, and much more, totalling about 15,500 pages of software in all.

The purpose of this article is to identify CP/M and SIG/M and to explain where to get information about the software that each group makes available through its libraries. The exclusive function of each of these groups is the gathering, editing, cataloging, producing and distribution of public domain software.

CP/MUG

CP/MUG is operated as an adjunct of Lifeboat Associates, an independent commercial publisher of software. Lifeboat operates the group with the assistance of the two California Area Computer Hobbyist Exchange (CACHE) chapters and catalogs the software and complexes each volume while CP/MUG collects the software, and produces and distributes the disks.

SIG/M

SIG/M is operated jointly by the Amateur Computer Group of New Jersey (ACG-NJ) and the New York Computer Amateur Club (NYCACC). This two clubs have a joint membership of close to 2,000, most using CP/M-based systems. SIG/M performs all of the functions of collecting, editing and distribution of its software.

Specific Software

If you are interested in learning what specific software is available through these two groups, you can purchase a printed catalog. The CP/MUG library catalog is available from Lifeboat Publishing Corp., 1651 Third Ave., New York, NY 10028. Price: $11 outside U.S. Also, a 20-page monthly newsletter is produced to provide information about Lifeboat and CP/MUG software. The newsletter...
Digital Research Acquires Compiler Systems; Will Now Provide the Microcomputer Industry with One-stop Shopping for Total Systems Support

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strong financial commitment to R&D, will allow us to provide a number of languages that would otherwise compete against each other in the market."

"Like hardware, languages have inherent strengths and weaknesses in different applications," Eubanks said. "We feel it is essential to provide our customers with the best language possible for a particular application. We intend to do just that." He added, "Our first objective will be to ensure that we have complete support for 8080- and 8086-based systems. Then we will certainly expand into other processors and operating systems as demand for the products is generated."

Currently, Eubanks is working with John Katsaros, Digital Research director of marketing, to develop marketing and sales strategies for the new division. "Our major marketing thrust will be in three areas," Katsaros said. "These include hardware OEMs; software distributors; and independent software vendors who write and market software programs unbundled from hardware."

Digital Research will keep you informed about the progress of the new division.

Gordon Eubanks

Order Form

Product Description | Media Formats | Diskette Only | Documentation Only Price |
--- | --- | --- | --- |
**Operating Systems**
CP/M 2.2 | $150 | $200 | $135 | $185 | $25.00
CP/M SBC 80/20 | $200 | NA | $185 | NA | $25.00
CP/M 86**.1.0** | $250 | NA | $220 | NA | $40.00
MP/M II**.2.0** | $450 | NA | $420 | NA | $40.00
MP/M 86**.2.0** | $650 | NA | $610 | NA | $50.00
CP/NET**.1.0** | $200 | NA | $195 | NA | $15.00

**Languages and Programming Tools**
PL/I-80**.1.3** | $500 | $500 | $475 | $475 | $35.00
CBASIC**.2.8** | $150 | $150 | $130 | $130 | $30.00
CBASIC/86**.1.0** | $325 | $325 | $305 | $305 | $30.00
CBASIC/16**.1.0** | $325 | NA | $305 | NA | $30.00
CB-80**.1.1** | $500 | $500 | $480 | $480 | $30.00
MAC**.2.0** | $90 | $115 | $80 | $105 | $15.00
RMAC**.LINKLIB & XREF 1.1** | $200 | NA | $165 | NA | $25.00
LINK-80**.PLILIB & XREF 1.3** | $100 | NA | $95 | NA | $10.00
BT-80**.1.0** | $200 | NA | $165 | NA | $25.00
XLT86**.1.0** | $150 | NA | $145 | NA | $10.00

**Utilities**
SIO**.1.4** | $75 | $100 | $70 | $95 | $10.00
ZSID**.1.4** | $100 | $125 | $95 | $120 | $10.00
TEX**.2.1** | $100 | $125 | $95 | $120 | $10.00
DESPPOOL**.2.0** | $50 | $75 | $45 | $70 | $2.50

**New Products:**
IBM Displaywriter**. Compatible Products**
CP/M-86 DW**.1.0** | $325 | NA | $285 | NA | $50.00
CBASIC-86 DW**.1.0** | $325 | NA | $305 | NA | $30.00
CP/M-86 DW & CBASIC-86**.1.0** | $600 | NA | $530 | NA | $80.00

These products are designed for displaywriter with the following configuration: Electronic Module, Display, Disk Drive and Printer Wheel Printer.

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### Catalogs & Books

**CP/M Compatible Software Catalog** lists over 100 Independent Software Vendors (ISVs) who write CP/M compatible software. Your guide to accounting packages, word processors, languages, utilities and more.

- CBASIC Software Directory: A listing of software vendors that market products written in CBASIC. $5.00 (Must be pre-paid)
- OSBORNÉ CP/M User Guide by Hogan: $7.50
- The CP/M Handbook with MP/M by Zaks: $13.95
- The CP/M Primer by Murtha & Waite: $11.95
- Using CP/M by Fernandez & Ashley: $8.95
- Data Structures & PL/1 Programming by Augenstein & Tenenbaum: $25.95

**Ship To:**

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**Payment Method:**

- Check enclosed
- C.O.D.
- MasterCard
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**Quantity (Qty.)** | **Product Description (Please specify single or double density)** | **Unit Price** | **Total Price** |
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**Subtotal**

California shipments add 6% sales tax.

**Shipping**

**Total Order**

**Shipping Charges:**

**$5.00 for Canada and Mexico, $10 for Overseas.** If you include payment (check, money order or credit card), we will pay the UPS charges on continental USA orders.

**Ship To:**

- UPS (for continental USA orders)
- Mail Service (for International orders)
- Air Freight (by request)

If you request Air Freight, the shipping charges are due upon delivery.

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The prices shown are USA domestic prices. International prices are 10% higher for systems, and 20% higher for documentation.

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