The Productivity System for Publishing

Software Designed Exclusively for the Editor and the Production Manager
by KEYTEXT SYSTEMS

The computer revolution has brought microcomputing to the desks of businessmen everywhere. Software was developed first for the business tasks and functions which nearly all companies have in common: standard word processing, database, and accounting software packages. It remains for each industry to develop its own specialized software that will assist and enhance its production processes.

The production processes of publishing have unique tasks which can be expedited by the use of the personal computer workstation. KeyText Systems BOOKWARE™ combined with the innovative Corvus Concept offers to publishing greater organization and productivity in the editorial process, and incredible time-savers for the jobs of the production manager.

In recent years, authors and editors have tried with some success to use word processing software primarily intended for the business office to prepare manuscripts for publishing. The limitations of business software become obvious when compared with Key-Text Systems' BOOKWARE™.

The Software Features of KeyText Systems' BOOKWARE™
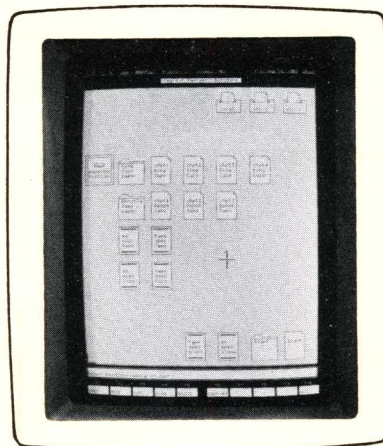
☞ **You do not have to be a computer hobbyist** to operate BOOKWARE.™ It is designed for people who like to use pencils, paper, and erasers. You simply use the tools that you find now on your own desktop: a manuscript, file folders, a writing instrument, erasers, a typewriter, and a filing cabinet. All these familiar tools appear on a software selection screen that we call DESKTOP.™ In your hand is a writing instrument called a *mouse* which moves a cursor quickly about the screen to spot and select the software tools which you wish to use.

When you place your cursor on the *manuscript*, you open a file for keyboarding or editing which you identify for recordkeeping. When you have finished your work on that segment of manuscript, you store it in your *folder* by spotting it with your cursor. To save your work, you put it in the *file cabinet*. This puts it on magnetic disk storage for safekeeping and future use.

☞ **Your text is displayed** on the terminal with a white background and black letters, just like your manuscript. And it is double-spaced for easy reading. Moving your cursor about with the *mouse*, just as you would your pencil, you can add, delete, insert, store, and repeat. By moving your cursor and identifying start/stop points in the text, you can store, block move, or delete a word, a phrase, a sentence, or a whole paragraph.

☞ **Editorial notes and queries** are essential in editing. BOOKWARE™ gives you the tools to do it quickly and never forget it. With one keystroke, you open a *window* on the screen, a blocked off space which gives you room to write your note or query while not erasing the manuscript. Strike the window key again, the note disappears, and a *flag* is inserted in the text to remind you that you made a note.

When you ask for a copy of your manuscript from the line printer, you can request queries and notes to appear in the margin.

☞ **Re-writes are easy** with the exclusive Corvus *text window*. The text window allows you to do as many generations of re-writes as necessary. And it keeps them in order. This gives you an invaluable audit trail as the editorial process continues. For each re-write, you insert an additional flag into the text. By deleting a numbered flag, you delete that re-write window from your file.

When you ask for a copy of your manuscript from the line printer, the re-writes are printed parallel for comparison to the author's original.

☞ **Complete diacriticals** for any language and a wide range of pi characters to suit your special requirements may be displayed on your screen and printed on the printer. With an exploded grid, you can create any character you need, store it in the system, and reduce it back to text size for use as needed. The system automatically downloads instructions to the line printer for reproduction of your specially designed character.

☞ **Marking up a manuscript** for the typesetter can be a time-consuming process. With the use of the *mouse*, a copyeditor or production assistant can quickly mark-up the manuscript with standardized mnemonic codes. The codes appear at the bottom of the mark-up screen and the operator, using the mouse, moves them into proper position in the left margin. We call this process *text identifying*.

☞ **Cast-offs.** After the editorial process has been completed, the production manager can request the SPECSCREEN™ and fill in the typographic specifications for the manuscript. Linked by the system to the *text identifiers*, BOOKWARE™ can now do an accurate cast-off.

Typesetting from KeyText Systems' BOOKWARE™

☞ When the editorial and production processes are completed for a manuscript, the articles, stories, or chapters may be off-loaded to floppy disks and forwarded to a typesetter. The embedded text identifiers which were first used for the production manager's cast-off will now be replaced by the typesetter with codes to drive his composition equipment. Manuscripts coded in this manner will allow the typesetter to process the job at the lowest possible cost. The floppy disks used by the Corvus Concept are IBM 3740 compatible, a standard in the industry.

The Hardware Features of the System

☞ **Network Ready.** The Corvus Concept™ is network ready when you buy it. The network allows a manuscript to be accessible to each team member who has a personal workstation. An editor, a designer, a copyeditor, and a production manager may request the file (a chapter, an article, a brochure) at his personal workstation and perform whatever tasks necessary before returning the file to the *file cabinet* (disk storage).

Every Concept personal workstation has a built-in network interface that transforms it from a powerful stand-alone computer to a versatile, multi-function workstation on an interactive peripheral-sharing network called OMNINET.™

☞ **Disk Storage.** Our filing cabinets are big and can be added to the system like building blocks. Of course, a filing cabinet is the widely acclaimed Corvus Winchester Disk System. It comes in sizes of 6, 12, and 20 megabytes. You can stack up four 20-megabyte disk drives for a total of 80 megabytes of storage on each OMNINET™ network.

☞ **The Corvus OMNINET™** can carry a total of 64 network devices: personal workstations, floppy disk drives, BANKS,™ Winchester disk systems, and line printers. Adding a workstation to the OMNINET™ is as easy as connecting a stereo speaker. The network length is 4,000 feet, making it practical to connect work areas on one level, between floors, and even between buildings.

☞ **The Microprocessor** is the highly respected Motorola MC-68000. Many systems use the MC-68000. But what Corvus has done with it was praised as "the most impressive new desk-top computer" at the 1982 Hannover Fair by the Seybold Office Systems Report. KeyText Systems' BOOKWARE™ operates with 512k RAM standard, giving it power to spare for future program development.

☞ **The Corvus BANK™** is a new type of random access mass memory for personal workstations which drastically reduces the cost per megabyte. It features removable tape cartridges holding up to 200 megabytes of data. Publishers will find the Corvus BANK™ indispensible for low-cost mass storage and backups of the hard disk systems.

☞ **Bi-directional screen.** Concept's unique dual orientation display is made possible by the power of its 68000 microprocessor and large memory (256k RAM standard) which allows bit-mapping of the screen. Each dot on the screen is mapped bit by bit to form either vertical or horizontal characters.

☞ **Full-page display.** The 8½ × 11 inch high resolution screen lets you view an entire vertical page or a 13 column horizontal spread sheet. The white area shown at right is the area displayed on many personal computers, one-seventh that of the Concept.

☞ **Tilt and swivel.** Finger-tip tilt and swivel adjustments let you select the most comfortable screen angle to avoid posture or eye strain problems. A full 13° down or 17° up, plus 45° left or right, give you complete control in both screen orientations.

☞ **User friendly keyboard.** For simplified learning and ease of operation, 10 multifunction *soft keys* control up to 40 different functions at one time. A function key map at the bottom of the display identifies the functions at all times. The detached, Selectric-style keyboard includes a 10-key accounting pad with double zero.
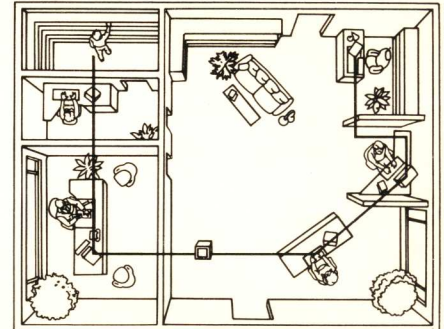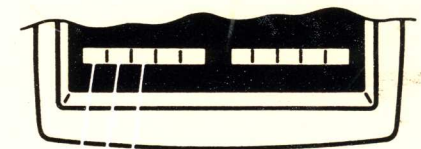

The Corvus OMNINET™
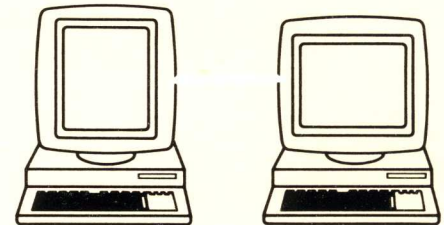
Bi-directional screen.
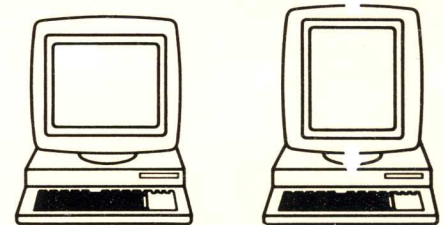
Full-page display.   Tilt and swivel.

User friendly keyboard.

SPECIFICATIONS

Microprocessor—Motorola MC-68000
- 32-bit data and address registers
- 24-bit memory address bus
- 16-bit data bus

Memory
- 512k RAM standard

Standard Input/Output
- Two serial asynchronous controllers (RS-232C up to 19,200 baud)
- One Corvus Omninet local network interface (RS-422 at 1 million baud)
- Four expansion slots (50-pin card sockets)
- One clock/calendar with battery backup
- One flexible sound generator with speaker
- Two interval timers

Winchester Disk Options
- 5.7 MB (formatted) Corvus disk system
- 12.1 MB (formatted) Corvus disk system
- 18.4 MB (formatted) Corvus disk system

Diskette Drive Options
- 1.0MB (formatted) 8-inch diskette drive (IBM 3740 format)

Video Display
- 15-inch CRT—35MHz
- Bit-mapped display—720 by 560 points

- Vertical tilt: + 17° to − 13°
- Horizontal swivel: 90°
- 120 characters × 56 lines in landscape orientation
- 90 characters × 72 lines in portrait orientation

Keyboard
- 91-key detached keyboard
- Selectric® style keyboard
- 15-key numeric pad
- 10 programmable function keys
- Cursor control keys

Local Network Interface— Corvus Omninet
- 1 million bps transfer rate
- 4,000 feet (1,220m) total network length
- 64 total network devices
- Twisted-pair cable transmission medium

Operating Systems/Software
- UCSD Pascal File structure
- ISO Pascal with UCSD extensions (native code compiler)
- FORTRAN '77 (native code compiler)
- 68000 Assembler
- EdWord™ Word Processor
- Corvus LogiCal ™ Electronic Spread Sheet

Electrical Specifications
- 100/120 or 220/240 volts (selectable)
- 50/60 Hz ac, 200 watts

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KeyText Systems

Text Editing Systems for Publishers

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