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Apple Computer, Inc.
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   We're here to serve you 24 hours a day, 7 days a week. Just pick up the phone and order direct, or fill out the enclosed Order Form and fax it. For your convenience, we accept VISA, MasterCard, and American Express. Details on the Order Form.

4. **APPLE ASSURANCE**
   
   Our new Apple Assurance+ customer support and service policy makes it easier than ever to enjoy your purchases. Every Apple product now comes with “up and running” support, designed to provide you with general start-up assistance, troubleshooting, configuration and compatibility information, and third-party support referral for as long as you own it. Toll-free assistance is available by dialing 1-800-SOS-APPL, Monday through Friday, 9 A.M. to 9 P.M. eastern time. And our one-year warranty has been expanded to include mail-in, carry-in, or on-site service. Details on the Order Form.

5. **APPLE BUSINESS LEASE**
   
   Now, if you run a business, the Macintosh is as easy to lease as it is to use. With the Apple Business Lease, you get convenient, affordable financing for the Apple solution you need. Details on the Order Form.

Call us now at

1-800-795-1000.
Newton MessagePad
Jot, plan, draw, organize, fax, and print with our pen-based communications assistant.

Desktop computing
Macintosh computers to serve all your business needs.

Affordable computing
Three inexpensive ways to put a computer on your desk.

Portable computing
PowerBook computers pack a lot of power in a notebook.

Displays
Introducing the first screen for the multimedia revolution.

Printers
Imaging assistants—from the portable to the powerful.

Education software

Business/Publishing solutions
Tools to persuade your clients, organize your finances, and more.

Multimedia
Create and interact with a new world of sight and sound.

Macintosh Quadra 660AV
The Macintosh that does exactly what you say. Literally.

What's new! What's hot!

E-mail/Self-training
Keep in touch with colleagues; learn the latest software.

Workgroup solutions
Sharing knowledge—across the hall, across the country.

Add-ons
Keyboards and more.

The Apple Store
Apple apparel and gifts.

Disability solutions

Index

PowerBook Computers
Make your business trips more productive than ever—with our powerful new portables.

AppleCD Multimedia Kit
A complete multimedia CD-ROM bundle—at one low price.

Get your hands on the intelligent way to communicate with your colleagues, organize your life, and capture your ideas.

$699

Newton MessagePad

With the Newton MessagePad communications assistant, you can capture, organize, and communicate all kinds of information. Take meeting notes. Format and print letters. Connect to your desktop computer or access your network. Send a fax, or even exchange business cards electronically—without touching a piece of paper. By combining revolutionary Newton Intelligence with sophisticated communications capabilities, the Newton MessagePad helps you manage your business—and your life—with uncommon efficiency.

As easy to use as pencil and paper—yet far more versatile—the Newton MessagePad reads your handwriting and transforms it into text as you write. If you prefer, an on-screen keyboard lets you type in words. The Newton MessagePad even cleans up your rough sketches, straightening lines and aligning objects.

Carry an intelligent assistant in the palm of your hand.

Like a smart personal assistant, the Newton MessagePad actively helps you get things done by learning and remembering the specific ways you work. It comes with a notepad, to-do list, calendar, and card file applications for starters. Just tap the Assist button to see a list of tasks it knows how to do—from finding a phone number or address to faxing a note, formatting a letter, setting up a lunch appointment, or recalling a birthday. Assign priorities to your to-do list, check off your completed tasks, and the Newton MessagePad updates the next day's list for you.

With optional accessories (right), your Newton MessagePad can connect easily to telephone lines, computer networks, and wireless networks to send faxes, receive paging messages, tap into on-line services or electronic mail, or just print your ideas. It also connects with Macintosh computers, or MS-DOS computers running Windows, to transfer information easily. Runs on four AAA batteries or an AC adapter (both included).

The Apple Catalog
Order the Newton accessories you need to make all the right connections.

---

**Newton Connection Kit**

Each kit contains a cable and software to connect your Newton MessagePad to your personal computer. So you can easily copy information from palmtop to desktop for further editing and manipulation. The Newton Connection Kit also lets you transfer MessagePad data directly into popular computer applications—and vice versa—and translate them into a variety of formats.

- **E2028** For Macintosh $149
- **E2027** For MS-DOS with Windows $149

---

**$99 Newton Print Pack**

Your Newton MessagePad already supports most Apple® printers and networked, PostScript®-compatible printers. The Print Pack comes with all the hardware and software you need to use your Newton with a wide variety of other parallel-port printers: laser, dot-matrix, portable inkjet, and thermal models; and other printers compatible with MS-DOS computers running Windows.

---

**$289 Newton Messaging Card**

When you can't afford to be out of touch, this card turns your Newton into a complete wireless personal messaging system, capable of receiving text messages, phone numbers to call, and voice and e-mail notification. Compatible with most paging systems—from multiplicity to international—the Messaging Card receives and stores pages even when it's not plugged into your Newton.

---

**$149 Newton Fax Modem**

This lightweight, portable fax modem allows you to send and receive electronic mail, connect to on-line services, and send faxes anywhere. It weighs only 7 ounces, and uses either two AA batteries (included) or a Newton Power Adapter.

---

**Storage Cards**

Slip one of these cards into your Newton MessagePad to increase its storage capacity, and to back up your information. The 1MB card holds up to four times as much data as your Newton; the 2MB card holds up to eight times as much data.

- **E2032** 1MB Storage Card $229
- **E2033** 2MB Flash Storage Card $299

---

**Newton Power Accessories**

- **Power Adapter** lets you run your Newton or Fax Modem using AC power, and adjusts to just about any voltage in any country. **E2034 $29**
- **Battery Booster Pack** Plug this portable pack's cable into your Newton, and its eight AA batteries (not included) add hours of running time. **E2035 $25**
- **Rechargeable Battery Pack** An alternative to conventional alkaline batteries, this rechargeable nickel-cadmium battery pack works with the Battery Pack Recharger. **E2036 $19**
- **Battery Pack Recharger** lets you charge one battery pack while using another in your Newton. One rechargeable nickel-cadmium battery pack is included. **E2037 $49**

---

**Carrying Cases**

Protect your Newton and your add-in cards when you take them on the road. Choose from snap-shut nylon or zippered leather.

- **E2038** Nylon Carrying Case $29
- **E2039** Leather Carrying Case $79

---

**Newton Software**

Slip them into your Newton MessagePad, and these cards provide you with useful information, additional tools, and entertainment:

- **Fortune 500 Guide to American Business** A reference guide to all the Fortune 500 and Service 500 corporations, including many charts and graphs, and extensive search and sort functions. **E2043 $100**
- **Fodor's® Travel Manager** Travel information for major U.S. cities at your fingertips—plus interactive "locator" maps. **E2042 $120**
- **Money Magazine Financial Assistant** Calculation templates to help you evaluate the possibilities when you need to make many kinds of financial decisions. **E2041 $40**
- **Columbo's Mystery Capers** Forty picture-based "whodunit" games to test your logic skills. **E2040 $80**

**Additional Newton Software** Call 1-800-795-1000 for Newton software titles not listed here.
New Macintosh Quadra 660av.
Order a revolutionary new Macintosh that helps you communicate more effectively than ever.

$2299 8/30

Macintosh Quadra 660av
You're looking at the first of a whole new class of computers. A computer that combines the sophisticated capabilities of many different telecommunications devices—fax machine, modem, e-mail network, telephone, answering machine—with the simplicity of the intuitive, Macintosh interface. A computer that connects to all sorts of video and audio devices with plug-and-play ease. A computer that responds not just to mouse clicks and keyboard taps, but to your own spoken words. A computer that can read text aloud, in a natural human voice.

Introducing the Macintosh Quadra 660av—a new, high-performance Macintosh that offers you a built-in suite of revolutionary communications powers. The power to use your Macintosh as a hands-free speakerphone and digital answering machine. The power to transform incoming faxes into editable text on your screen. The power to capture, view, edit, and export both high-quality video and CD-quality audio. The power to automate all sorts of complicated tasks, and to have your computer execute them with spoken commands.

New communication breakthroughs. Traditional business power.
Best of all, these cutting-edge technologies don't mean compromising the power necessary for mainstream business tasks. Because inside the Macintosh Quadra 660av are two state-of-the-art processors. A digital signal processor (DSP) manages many of the computer's real-time communications features, allowing the computer's twin Motorola 68040 engine to churn through other processing chores.

What will your workday be like with a Macintosh Quadra 660av on your desk? Imagine using your computer not just as a productivity tool, but as a smart telecommunications center. Imagine making a long-distance call simply by saying, "Phone Bob." Imagine receiving a fax directly on your screen, editing the text to your liking, and forwarding it to a cross-country colleague—all in a few minutes. Imagine creating a dazzling presentation on your computer, then "printing" it directly to a VCR tape for easy copying and distribution. Imagine letting your computer "proofread" the draft of a speech—aloud. With the Macintosh Quadra 660av, many scenarios of computing's future can come true—today.

Your computer comes with built-in high-speed Ethernet networking, a host of communications applications and extensions, and our new high-fidelity Apple PlainTalk Microphone. Choose from configurations with or without an AppleCD 300i internal CD-ROM drive.

At a Glance

<table>
<thead>
<tr>
<th>Macintosh Quadra 660av</th>
<th>w/ Internal CD</th>
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</thead>
<tbody>
<tr>
<td>Processor: 25-MHz 68040</td>
<td>25-MHz 68040</td>
</tr>
<tr>
<td>Memory: 8MB of RAM</td>
<td>8MB of RAM</td>
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<tr>
<td>Disk Storage: 230MB hard disk</td>
<td>230MB hard disk</td>
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<tr>
<td>Video Support: 1MB of VRAM</td>
<td>1MB of VRAM</td>
</tr>
<tr>
<td>Networking: AppleTalk® Ethernet</td>
<td>AppleTalk, Ethernet</td>
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</tbody>
</table>

E2210  8/230  $2,299
E2230  8/230/CD  $2,579
E2231  w/ our Business Bundle, add $99

Call for latest prices.
1-800-795-1000.

Your Macintosh Quadra 660av with CD comes with our new Apple PlainTalk Microphone. The AudioVision 14 Display (page 20) and Apple Extended Keyboard II (page 54) are options that can be ordered separately.

Order Toll-Free 1-800-795-1000

Call 24 hours a day, 7 days a week.
Dial toll-free 1-800-755-0601 for TDD.
**GeoPort® Telecom Adapter**

This adapter acts as the interface between your Macintosh Quadra 660av and any standard analog phone line. Plug it in, and you can send and receive electronic mail, connect with electronic bulletin boards and information services, and transfer data at speeds up to 9600 bits per second. You can also send and receive faxes at 9600 bps—even when you’re working with another application or you’re away from your computer. Fax software included.

**$119 JABRA Ear PHONE Streamline AV**

This remarkably compact design incorporates both a speaker and a microphone in one lightweight, comfortable earpiece. Plug it into your Macintosh Quadra 660av, and you can enjoy hands-free telephone conversations, give your computer voice commands, and ensure privacy when listening to your digital voice messages. Sophisticated circuitry emphasizes your voice and masks background noise, increasing the reliability of voice-driven applications.

**$549 VideoLabs FlexCam**

Plug this miniature desktop camera into your computer, and use it to capture still-frame images or record full-motion color video and stereo sound—directly to your hard disk. Then manipulate, annotate, or incorporate the images into everything from printed documents to electronic mail messages to sophisticated business presentations. The sharp, versatile lens focuses from 1/4 inch to infinity; the slender, 18-inch flexible wand adjusts with a touch.

**$99 NuBus Adapter Card**

This adapter allows you to add extra powers to your system by connecting a 7-inch NuBus® expansion card. Simply install the adapter, then attach your NuBus card.
Macintosh Quadra 650

Take command of your business with a powerful tool for publishing, presentations, number-crunching—and more.

$2399

Macintosh Quadra 650

Designed for performance and flexibility, the Macintosh Quadra 650 is ideal for mainstream business users, offering the speed and power you need to get the job done in demanding environments, and the flexibility to grow as your needs change.

Based on the fast Motorola 68040 processor, the Macintosh Quadra 650 provides affordable high performance for all sorts of business tasks—financial projection and analysis, multimedia presentations, sophisticated publishing projects, and more. For increased performance, you can expand its 8 megabytes of memory to a mammoth 132 megabytes. For convenience, the Macintosh Quadra 650 works with all Apple displays, and several VGA, SVGA, and 19-inch displays.

The computer that grows along with your business.

You can use the expandability of the Macintosh Quadra 650 to set up a system that meets your exact needs, or to increase your computing power as your needs grow. Customize your system by adding NuBus expansion cards in the three expansion slots provided. A high-speed SCSI interface lets you add high-volume storage devices.

Order your Macintosh Quadra 650 with or without an AppleCD 300i internal CD-ROM drive. Both configurations also include a math coprocessor to speed calculation-intensive tasks, enhanced video support for up to 32,768 brilliant colors, and high-speed Ethernet networking.

At a Glance

<table>
<thead>
<tr>
<th>Macintosh Quadra 650</th>
<th>w/ Internal CD</th>
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<tbody>
<tr>
<td>Processor: 33-MHz 68040; math coprocessor</td>
<td>33-MHz 68040; math coprocessor</td>
</tr>
<tr>
<td>Memory: 8MB of RAM</td>
<td>8MB of RAM</td>
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<tr>
<td>Disk Storage: 230MB hard disk</td>
<td>230MB hard disk</td>
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<tr>
<td>Video Support: 512K of VRAM</td>
<td>1MB of VRAM</td>
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<tr>
<td>Networking: AppleTalk, Ethernet</td>
<td>AppleTalk, Ethernet</td>
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</table>

E1955 8/230 $2,399
E1957 8/230/CD $2,749
E2231 w/ our Business Bundle, add $99
Lease for as little per month as $89
(See the Order Form for details on leasing.)

Whatever business you're in, the Macintosh Quadra (650) can make you more productive and efficient. It offers the speed and flexibility you need for financial analysis, multimedia presentations, sophisticated publishing projects, and more.

Order Toll-Free 1-800-795-1000

Call 24 hours a day, 7 days a week.
Dial toll-free 1-800-755-0601 for TDD.
Choose the Macintosh Quadra 650 system that meets your needs. The Macintosh Color Display (page 21) and Apple Extended Keyboard II (page 54) are options that can be ordered separately.

ONLY $99 FOR OUR BUSINESS BUNDLE WHEN YOU BUY ANY MACINTOSH QUADRA FROM THE APPLE CATALOG

- TeleWare M.Y.O.B. The award-winning accounting tool that manages your business finances with professional efficiency. Details on page 31.
- Claris Retrieve It! The file- and text-search accessory that locates the information you need—fast. Details on page 33.
  
  If ordered separately from this catalog, this software would cost $294. Order the Business Bundle with your Macintosh Quadra, and pay just $99. Offer good through December 31, 1993.

Agenda

- New Employees
- Financial Update
- Objectives

Choose the Macintosh Quadra 650 system that meets your needs. The Macintosh Color Display (page 21) and Apple Extended Keyboard II (page 54) are options that can be ordered separately.
Macintosh Quadra 610

Get the brains for business. The power for presentations. And a mind for multimedia.

$1449 8/160

Macintosh Quadra 610

Up to twice as fast as previous desktop pacesetters like the Macintosh IIX, the Macintosh Quadra 610 will help you effortlessly calculate complex spreadsheets; publish documents full of graphs, charts, illustrations, and diagrams; reap information from massive databases; work with detailed graphics or multimedia presentations; or handle almost any other task that challenges your inventive mind.

The Macintosh Quadra 610 has many built-in features that you’d pay extra for on competitive systems. It comes with built-in video support for all Apple displays and many other commonly available displays—monochrome or color, RGB or VGA. What’s more, the Macintosh Quadra 610 is equipped with onboard video RAM, so you get more colors from your display without having to buy a video card.

The Macintosh Quadra 610 also gives you lots of flexibility. Its 8 megabytes of RAM are expandable to 68 megabytes, so you can keep many memory-hungry applications running smoothly and simultaneously. You can use either AppleTalk or Ethernet networking to link up with coworkers. Install a processor-direct card or 7-inch NuBus card (with the NuBus Adapter listed, right) to capture video clips or accelerate graphics rendering. You can even connect two displays to enjoy an expanded workspace. Order your Macintosh Quadra 610 with an internal CD-ROM drive, and your configuration also includes enhanced video RAM.

At a Glance

Macintosh Quadra 610

Processor: 25-MHz 68040; math coprocessor
Memory: 8MB of RAM
Disk Storage: 160MB hard disk
Video support: 512KB of VRAM
Networking: AppleTalk, Ethernet

Macintosh Quadra 610 w/ Internal CD

Processor: 25-MHz 68040; math coprocessor
Memory: 8MB of RAM
Disk Storage: 230MB hard disk
Video support: 1MB of VRAM
Networking: AppleTalk, Ethernet

Order for as little per month as $55

(See the Order Form for details on leasing.)
New. Macintosh Quadra 605.
Put state-of-the-art 68040 performance on your desktop—at our most affordable price.

ASSURANCE
Phone support for as long as you own your Apple product. Plus new warranty services. Details on the Order Form.

BUSINESS LEASE
Great financing for Macintosh business solutions. As low as $52/month. Details on the Order Form.

LOWER $5
Prices may have dropped! Call for latest prices: 1-800-795-1000.

$979
Macintosh Quadra 605
If you're looking for the state-of-the-art performance of the 68LC040 processor—without having to look too deep in your pockets—it's worth your while to examine the Macintosh Quadra 505. It features our popular slim-line profile, yet offers twice the performance of the best-selling Macintosh LC III. So you get more speed, display options, color support, and potential for expansion—and more power to tackle all sorts of business, publishing, and presentation tasks.

The Macintosh Quadra 605 has built-in video support for all Apple displays, so you can choose the screen that best suits your needs. If you want to work with a full palette of colors, it can expand to support more than 32,000 brilliant colors.

The Macintosh Quadra 605 includes an 80-megabyte hard disk and 4 megabytes of RAM—enough memory to run today's more powerful applications. Memory is expandable to 36 megabytes—allowing you to work with large data and graphics files and to run even more programs simultaneously. And an internal expansion slot accepts a range of LC III-compatible expansion cards to customize your system for special purposes.

Fast, versatile, and extremely affordable, the Macintosh Quadra 605 is packed with enough power and potential to keep pace with your needs today—and in the years to come.

At a Glance

<table>
<thead>
<tr>
<th>Macintosh Quadra 605</th>
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<tbody>
<tr>
<td>Processor: 25-MHz 68LC040</td>
<td></td>
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<tr>
<td>Memory: 4MB of RAM, expandable to 36MB</td>
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<tr>
<td>Disk Storage: 80MB hard disk</td>
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<tr>
<td>Video support: 512K of VRAM; supports all Apple displays and several VGA, SVGA, and 16-inch displays</td>
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<tr>
<td>Networking: AppleTalk</td>
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<tr>
<th>Model</th>
<th>Price</th>
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<tr>
<td>E2224</td>
<td>$979</td>
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<tr>
<td>E2231</td>
<td>$99</td>
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<tr>
<td>Lease for as little per month as $52</td>
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(See the Order Form for details on leasing.)

Order Toll-Free 1-800-795-1000
Call 24 hours a day, 7 days a week. Dial toll-free 1-800-755-0601 for TDD.
The power to be your best — all in one desktop system.

$2079 5/160 with FREE Now Fun! Bonus

New. Macintosh TV.
At last, there's a computer that makes it perfectly legitimate to do your work and watch TV — on the same screen. Macintosh TV combines the convenience of an all-in-one Macintosh system with all the versatility of a feature-packed television, a built-in CD drive, and high-quality stereo sound. So whether you're working, playing — or creatively combining the two — you can do it all on one talented desktop system.

Everything you need in a Macintosh — a spacious 160-megabyte hard disk, an internal AppleCD 300i CD-ROM drive, and an Apple SuperDrive floppy disk drive — is built into Macintosh TV, so you can easily work with today's powerful applications and multimedia programs. In fact, a host of productivity software and CD-ROM titles comes bundled with the system (see below).

Or you can listen to TV sound — or a stereo CD — while you use your Macintosh to edit your final draft, calculate your budget, or update your address list. The TV connects easily to a wide variety of video sources — cable, VCR, camcorder, or laserdisc or video game players. A credit-card-size remote control manages both TV and computer functions. In conference room, family room, or dorm room, Macintosh TV blends computing power and media versatility in one space-efficient package.

The Macintosh TV
Processor: 32-MHz 68030
Memory: 512 MB of RAM, expandable to 8MB
Disk Storage: 160MB hard disk
Display: 14-inch Trinitron, 640 by 480 pixels; 512K VRAM supports 256 colors
Networking: AppleTalk

At a Glance

Preinstalled software:
- ClarisWorks 2.0
- HomeWorks Templates
- American Heritage Dictionary
- MacBeacon Teaches Typing
- ClickArt Collection
- Macintosh PC Exchange

Bundled CD-ROM titles:
- Grolier's Multimedia Encyclopedia
- Time Almanac 1993
- Kodak Photo CD Sampler
- World Atlas
- Space Shuttle
- Great Wonders of the World, Vol. 1
- System Software (backup)

* The star symbol indicates that this product meets federal Energy Star power conservation requirements. Details on the Order Form.
affordable prices.

$1199 4.80 with FREE Now Fun! Bonus

Macintosh Color Classic
Flick on the Macintosh Color Classic® and it’s likely you’ll be pleasantly startled. The Sony Trinitron display is noticeably more vibrant and true to life than the vast majority of conventional color screens. The Color Classic has built-in support for 256 colors (expandable to more than 32,000 colors). It’s equipped with an 80-megabyte hard disk and 4 megabytes of RAM (expandable to 10 megabytes).

All of which means that, right out of the box, the Macintosh Color Classic has enough power to let you use today’s colorful illustration, publishing, and presentation software—even to work with sound, animation, and digital video files. Plus enough expandability to accommodate future innovations (an internal expansion slot lets you add all sorts of special options).

The Color Classic also sports the same basic design that made the original Macintosh a part of so many people’s lives. It’s an all-in-one package that includes everything you need—display, mouse, and keyboard—in a compact unit that won’t consume an entire desktop. And it carries easily from office to home, dorm to library, or den to kitchen.

$1599 Take an extra $150 off from 1/1/93 to 1/31/94.

PowerBook 145B
The most affordable PowerBook® is ideal for anyone who wants solid performance in a flexible, go-anywhere notebook computer. Like all PowerBook computers, it provides a combination of palm rest, dual-button trackball, and full-size keyboard to create a comfortable work environment that consumes little space—and weighs a mere 6.8 pounds. Yet it offers all the power you need to change the way you work.

Unlike most notebook computers, it comes ready to use—System 7.1 software is installed, and built-in AppleTalk networking capabilities give you access to office networks and printers just by plugging in a cable. And its versatile floppy disk drive lets you use disks created on Macintosh, MS-DOS, Windows, and OS/2 computers.

PowerBook 145B with internal Fax/Data Modem lets you share data with other computers at 2400 bits per second, and send faxes at 9600 bps.

E2226 $1,799

Add our PowerBook Bundle to your PowerBook 145B purchase and save $138 over software prices if bought separately (see page 14 for details).

E2232 $99

At a Glance

Macintosh PowerBook 145B
Processor: 25-MHz 68030
Memory: 4MB of RAM, expandable to 8MB
Disk Storage: 80MB hard disk
Display: 10-inch backlit supertwist LCD; 640 by 400 pixels
Networking: AppleTalk

At a Glance

Macintosh Color Classic
Processor: 16-MHz 68030
Memory: 4MB of RAM, expandable to 10MB
Disk Storage: 80MB hard disk
Display: 10-inch Trinitron; supports 256 colors, expandable to 32,768 colors
Networking: AppleTalk

Order Toll-Free 1-800-795-1000
Call 24 hours a day, 7 days a week. Dial toll-free 1-800-755-0601 for TDD.
PowerBook 165
The PowerBook 165 provides mainstream business power in a book-size package that weighs just 6.8 pounds. Its 33-MHz 68030 processor is faster than many desktop computers. Its bright, 16-level grayscale display lets you work with sharp text and bright, clear images. When you're not on the go, its flexible, built-in video support lets you connect to a wide range of large Apple color displays and other monitors, letting you expand your workspace.

- Battery: Nickel-cadmium; average life 2.5 to 3 hours
- Display: 10-inch (diagonal) passive-matrix; 16 levels of gray; 640 by 400 pixels
- Expansion capabilities: Two slots: one for a modem, one for RAM; supports up to six SCSI devices
- Internal modem: Optional Express Modem
- Memory: 4 MB of RAM, expandable to 14 MB
- Storage: 1.4MB internal hard disk
- Processor: 33-MHz 68030
- Sound: Input port, output port, built-in microphone
- Additional ports: Two serial ports, video-output port, SCSI port, ADB port, power adapter port

This high-performance monochrome PowerBook has a crisp, clear-active-matrix display that makes gray-scale graphics come alive and lets you work with photo-quality images. Its 68030 processor and built-in math coprocessor offer the power you need for business, graphics, and math-intensive applications. Connect it to a wide variety of external monitors (it supports 256 colors), and you can display an image on the built-in screen plus a different image on the external monitor.

- Battery: Nickel-cadmium; average life 2.5 to 3 hours; battery recharge/power adapter included
- Display: 10-inch (diagonal) active-matrix (16 levels of gray); 640 by 400 pixels
- Expansion capabilities: Two slots: one for a modem, one for RAM; supports up to six SCSI devices
- Internal modem: Optional Express Modem
- Memory: 4 MB of RAM, expandable to 14 MB
- Storage: 1.4MB internal hard disk
- Processor: 33-MHz 68030, math coprocessor
- Sound: Input port, output port, built-in microphone
- Additional ports: Two serial ports, video-output port, SCSI port, ADB port, power adapter port

**Offers**
- Lease for as little per month as $69**
- Take an extra $100 off from 11/1/93 to 1/31/94.

**PowerBook Bundle**
When you buy a PowerBook or PowerBook Duo, the PowerBook Bundle is FREE!

- New Contact: The complete contact manager that gives you instant access to names, numbers, and addresses.
- Claris Power To Go: The ultimate power-and-space-saving utility for your PowerBook.
- New Up-to-Date: The feature-packed electronic calendar that offers precise command over your busy schedule.


Business Lease
Great financing for Macintosh business solutions. As low as $69/month. Details on the Order Form.

Lower $¢
Prices may have dropped! Call for latest prices: 1-800-795-1000.

*Choose the configuration with an internal Express Modem, and use any phone line to exchange data at speeds up to 34,400 bits per second, and send and receive faxes at 9600 bits per second. Additional limited time savings also apply to the PowerBook 165, 165c, 180, or 180c with Express Modem.
New PowerBook 180c.

$3369 Take an extra $450 off from 11/1/93 to 1/31/94.

PowerBook 180c
The sharpness and clarity of an active-matrix color display make the PowerBook 180c the most appealing high-performance PowerBook computer. The PowerBook 180c gives you the processing speed you need to take maximum advantage of your color applications, and you get the flexibility to handle multiple tasks at the same time—all in a package that’s small enough to fit in a briefcase.

The crisp, bright display gives you 256 vivid colors. And you can even use a larger display when you’re not on the go; just connect the PowerBook 180c to almost any Apple, VGA, or SuperVGA display, and dramatically expand your on-screen workspace.

Like the other members of the PowerBook family, the PowerBook 180c offers all the connections you need to work anywhere—on the road, in a conference room, or at your desk. AppleTalk networking is built in, so you can connect to an AppleTalk network and receive electronic mail, access servers, or share files. And seven built-in ports give you access to peripheral devices such as printers, scanners, and external storage drives. The PowerBook 180c is versatile enough to handle colorful graphics and multimedia applications as well as mainstream business programs.

- E1932 4/160 $3,369
- E1933 4/160 w/ Express Modem $3,619
- E2232 w/ PowerBook Bundle, add $99
- Lease for as little per month as $125**

**See the Order Form for details on leasing.

PowerBook 180c
- 33-MHz 68030, math coprocessor
- 4MB of RAM, expandable to 14MB
- 1.4MB internal Apple SuperDrive, 160MB internal hard disk
- Built-in LocalTalk connection: AppleTalk networking software
- Built-in 10-inch (diagonal) active-matrix color display; 256 colors; 640 by 400 pixels. Connects directly to external Apple monochrome and color displays (except 21-inch), many VGA displays, and large projection monitors.
- Two slots: one for a modem, one for RAM; supports up to six SCSI devices
- Input port, output port; built-in microphone
- Two serial ports, SCSI port, ADB port; power adapter port, video-output port. With optional SCSI disk adapter, SCSI port allows direct connection to another Macintosh for fast file transfer.
- Optional Express Modem
- Nickel-cadmium: average life 1 to 2 hours; battery charger/power adapter included
- 9.25 by 11.25 by 2.29 in./17.1 lb.

Every PowerBook has an adjustable, high-resolution screen that's a full page wide. The PowerBook 180c features a backlit, active-matrix display that gives you 256 brilliant colors—and brings text and graphics to life.

System 7 comes as standard equipment—offering you such advanced features as Balloon Help™ for on-screen assistance and virtual memory to easily run multiple applications simultaneously.

Order your PowerBook with an internal Express Modem, and you can send and receive faxes, share files, exchange electronic mail, and connect with phone-in information services, just by plugging your PowerBook into the nearest phone line.

The Apple SuperDrive floppy disk drive works not only with Macintosh disks, but also with disks formatted on MS-DOS, Windows, and OS/2 computers.

POWERBOOK 180c SPECIAL!
SAVE ON YOUR CHOICE OF BUNDLES!
THAT LET YOU GO ANYWHERE,
CONNECT ANYWHERE,
OR PRINT ANYWHERE!
WHEN YOU BUY A POWERBOOK 180c.

CALL US NOW FOR DETAILS ON THIS
LIMITED TIME OFFER.
1-800-795-1000

Every PowerBook comes with a built-in palm rest for comfort.

Dual-button trackball lets you point and click with a quick nudge of your thumb—and without lifting a finger from the keyboard.
PowerBook accessories
Lock it down. Power it up. Carry it away.

$399
New. Iomega Floptical Drive.
Imagine backing up your entire PowerBook hard disk on just a couple of floppy disks. Or slipping an encyclopedia's worth of information into your shirt pocket. The new Iomega Floptical Drive stores 21 megabytes of information on each 3.5-inch floptical disk, and works up to three times faster than conventional floppy drives. It can even read from and write to your standard 1.4M8 disks.

The Iomega plugs into any PowerBook or Macintosh with a SCSI port, or a PowerBook Duo.

$139 Apple HDI-20 External 1.4MB Floppy Disk Drive
Extremely useful to owners of the PowerBook 100 and PowerBook Duo, this low-power external disk drive lets you quickly transfer files between your PowerBook computer's internal hard disk and floppy disks. It gives you access to 400K, 800K, and 1.4MB Macintosh disks and, using Macintosh PC Exchange software, to MS-DOS-formatted disks. It plugs directly into the floppy disk drive port of your PowerBook 100, or any of the PowerBook Duo docks and adapters on pages 18 and 19. E1027

$39 Apple HDI-30 SCSI Disk Adapter
This adapter lets you use your PowerBook 100, 160, 165, 165c, 180, or 180c computer as an external hard disk with another Macintosh system for high-speed file transfer or system recovery. Requires Apple SCSI System Cable (see the Order Form Cable List). E1033

$129 Kensington NoteBook Keypad
If you crunch a lot of numbers with your PowerBook, you'll find this keypad tremendously useful. Just plug it into the Apple Desktop Bus™ port in the back of any PowerBook and start calculating. Function keys reduce keystrokes and make it easier to exchange information with mainframe computers. Comes with a new software utility that provides all the functions of a desktop calculator and adding machine. E1326

$49 CMG PowerHouse
If you often use your PowerBook to drive an external display, you'll appreciate this convenient stand. The top floor holds a monitor of almost any size. The bottom floor houses your PowerBook, keeping it accessible while saving valuable desktop space. E1625

$49 CMG PowerLock
PowerLock guards your data, your privacy—and your PowerBook itself—without defacing or permanently attaching to your computer. Installs in seconds, and removes easily with the turn of a key (two are included). Made of case-hardened steel and ABS plastic, with a 4.5-foot anchor cable to foil thieves. E1401
$89 Color Travel Bags
Made of tough, 1,000-denier Cordura Plus nylon, this
waterproof bag neatly protects your PowerBook and
accessories inside, and holds documents in gusseted
pockets outside. The case is available in your choice of
five appealing colors. Please specify: navy, burgundy,
teal, and not shown: gray or black. E1855

$49 New. Coast Carry-All.
Our most affordable bag is neatly organized into
multiple nooks for your PowerBook, accessories,
floppy disks, and business papers. A layer of dense
polyfoam protects all contents from jostles and shocks,
and a Velcro strap secures your computer. The durable
nylon carry-all slings over your shoulder with a
removable, adjustable padded strap. FREE Nylon Disk Wallet—a $10 value—is
included with every carry-all. It organizes ten 3.5-inch
disks in a pocket-sized, zip-closed compartment.
Carry-All and Disk Wallet E2104

PowerBook Connection Solutions

$189 New. Laptop Liberator.
If you travel with your PowerBook, Laptop Liberator makes
transferring your files fast, safe, and easy—without
using floppy disks. Use its PowerBridge connector
and an Apple HDI-30 SCSI Cable (below left) to
connect your PowerBook to any desktop Macintosh or
MS-DOS computer. Instantly, your PowerBook appears
as an external hard disk or MS-DOS volume on the
desktop computer. Then copy and transfer files back
and forth using regular Macintosh or MS-DOS
commands. Software is included. E1998
PowerBook 140/145/155/170 requires an Apple HDI-30 SCSI
System Cable. PowerBook 100/110/155/165c/180/180c requires
an Apple HDI-30 SCSI Disk Adapter Cable.

$219 PowerBook/DOS Companion
If you’re moving between
the MS-DOS and
PowerBook worlds, here’s
the only companion you’ll
need. With one purchase,
PowerBook/DOS
Companion” gives you four hardware and software
products that work together to ease the transition.
Connect a PowerBook to any MS-DOS computer, and
swap and convert files between the two computers.
(Over 700 conversion combinations support all the
most popular word processing, spreadsheet, graphics,
and database formats.) Use 3.5-inch MS-DOS floppy
just as if they were Macintosh disks. Print text and
graphics from a PowerBook to over 850 kinds of
printers. Instructions included. E1998

$199 AppleTalk Remote Access
This software lets you connect (via modem) to another
Macintosh or your office AppleTalk network, and then
take advantage of all its resources—file sharing,
electronic mail, databases, even printers—remotely. So
when you take your PowerBook on the road, you’ve
got your entire office under your arm. E1281

$79 New.
PowerBook File
Assistant.
If you work with a
Macintosh on your desktop
and a PowerBook on the
road, now you can rest
assured that you’re always
working with the most up-
to-date version of your files. PowerBook File Assistant
software gives you simple yet powerful command of
file synchronizion between your desktop Macintosh
and your PowerBook—complete with autosyn-
chronization features, and both one- and two-way
links. It also manages PowerBook battery life by
supporting automatic backlight dimming and a sleep
key; a permanent “RAM disk” feature saves information
between restarts and shut-downs. E1995

Order Toll-Free 1-800-795-1000
Call 24 hours a day, 7 days a week.
Dial toll-free 1-800-795-0601 for TDD.
NEW PowerBook Duo 230.
The heart of the PowerBook Duo system is the PowerBook Duo computer—a slim, lightweight notebook that you can take just about anywhere. One that outperforms desktop machines that tip the scales at many times its 4.2-pound weight and sandwich-thin dimensions.

The PowerBook Duo 230 has a built-in speaker and microphone in front for voice annotation and multimedia applications. Around the back, you'll find a serial port to plug in a printer and a port for its included AC adapter (its rechargeable battery lasts up to 4.5 hours). Order your PowerBook Duo 230 with an internal Express Modem, and you can connect it to any phone line to exchange data at speeds up to 14,400 bits per second, and send and receive faxes at 9600 bps—even when you're away from your computer.

At a Glance

PowerBook Duo 230

- Processor: 33-MHz 68030
- Memory: 4MB of RAM, expandable to 24MB
- Disk Storage: 80MB internal hard disk
- Display: 9-inch backlit supertwist LCD, 640 by 400 pixels, 16 levels of gray

E1937 4/80 $1,999
E1938 4/80 with Express Modem $2,249
E2232 w/ PowerBook Bundle, add $99

Lease for as little per month as $76
(See the Order Form for details on leasing.)

Additional limited time savings also apply to the PowerBook Duo 230 with Express Modem.

$1399

PowerBook Duo 210

The most affordable way to get your hands on the renowned flexibility of a PowerBook Duo computer, the PowerBook Duo 210 is the twin of the PowerBook Duo 230, but uses a 25-MHz processor. Like the PowerBook Duo 230, it races through business tasks with astonishing efficiency, offers the same go-anywhere portability and communications power, and easily connects with a number of docks and accessories (next page) to offer you a host of expansion options.

At a Glance

PowerBook Duo 210

- Processor: 25-MHz 68030
- Memory: 4MB of RAM, expandable to 24MB
- Disk Storage: 60MB internal hard disk
- Display: 9-inch backlit supertwist LCD, 640 by 400 pixels, 16 levels of gray

E1603 4/80 $1,399
E1604 4/80 with Express Modem $1,649
E2232 w/ PowerBook Bundle, add $99

Lease for as little per month as $53
(See the Order Form for details on leasing.)
PowerBook Duo Dock
Insert your PowerBook Duo into the PowerBook Duo Dock and you've instantly created a complete Macintosh desktop system—without transferring files or connecting cables. The PowerBook Duo Dock has built-in video support for 256 colors on a wide variety of Apple and third-party displays. It offers all the expansion ports of the PowerBook Duo MiniDock (below), plus a built-in Apple SuperDrive that works with both Macintosh and MS-DOS floppy disks—for effortless access to information from MS-DOS computers.

Unlike competitive docking systems, it uses PowerLatch technology to provide a smooth transition between the notebook world and the desktop world. Slip your PowerBook Duo into the dock—just as you'd slide a tape into a VCR—and it's automatically connected and configured. And before you eject your PowerBook Duo, all your work is automatically saved, preventing you from losing any data. E1608

PowerBook Duo MiniDock
Attach your PowerBook Duo to the compact PowerBook Duo MiniDock, and you open the door to the multitude of desktop resources. Use its video port to work with both a large external display and the PowerBook Duo simultaneously—an ideal solution for presentations. The Apple Desktop Bus port connects an external keyboard, keypad, mouse, or graphics tablet. Use the SCSI port to connect to a scanner, CD-ROM drive, external hard disk, and other devices. Plug in an Apple SuperDrive floppy disk drive to work with Macintosh and MS-DOS floppy disks. Two serial ports let you access printers and modems; two sound ports provide input and output of monaural sound. Yet the portable MiniDock adds only 1.24 pounds to your PowerBook Duo—enormous expansion possibilities with a barely perceptible gain in weight. E1610

PowerBook Duo
Power Accessories
PowerBook Duo Rechargeable Battery
A nickel-hydride battery that can last up to 4.5 hours.
E1606 $69

PowerBook Duo AC Adapter is included with every PowerBook Duo, but it's useful to have extras for the various locations you carry your computer, or to use your computer and battery recharger at the same time.
E1605 $65

PowerBook Duo Floppy Adapter This adapter lets you use an external floppy disk drive (page 16) and input devices—such as a numeric keypad or mouse—with your PowerBook Duo. Its small size and light weight make it perfect for travel. And the adapter has a slot for a security cable, so you can lock your PowerBook Duo to your desk.
E1609 $99

E-Machines EtherDock by SuperMac
EtherDock is the only desktop dock for the PowerBook Duo that enables full-speed connections to Ethernet—a networking standard in the business world. Carry it with you, and you can instantly access either twisted-pair or thin coax Ethernet networks—and enjoy all the video, sound, and peripheral connections provided by a PowerBook Duo MiniDock (left) as well.
E1618 $559

E-Machines Presenter by SuperMac
This 10-ounce dock is ideal for people on the go who need to use a PowerBook Duo to deliver effective presentations—anytime, anywhere—without carrying a lot of bulky equipment. It connects your PowerBook Duo to almost any type of video screen—Apple and SVGA displays, LCD panels, even conventional TVs—and provides 256 brilliant colors. Also includes connections for a mouse, keyboard, external floppy disk drive, and speakers.
E1621 $429

$899 ▲ Take an extra $150 off from 11/1/93 to 1/31/94.

$559 ▲ Take an extra $100 off from 11/1/93 to 1/31/94.
New: AudioVision 14 Display.

Introducing the first computer screen designed to engage all your senses.

$729

Apple AudioVision 14 Display

If you think going from black-and-white to color was something special, you haven't seen—or heard—anything yet. The AudioVision 14 Display combines superb color graphics with a revolutionary new sound system, so not only can you work with today's multimedia applications, you're ready to take advantage of emerging speech-recognition and telecommunications applications as well.

All the dimensions of multimedia in one convenient display.
The first in an entirely new class of displays, the AudioVision 14 integrates high-quality stereo speakers, microphone, and a Sony Trinitron picture tube into a single sleek package. The speakers are specially engineered for near-field listening—so you get CD-quality sound at close range, without disturbing nearby colleagues.

Simply speak into the display's built-in microphone to add voice annotations to your documents. Or use it as a hands-free speakerphone during videoconferences. As voice-recognition technology emerges, you'll even be able to give voice commands to your computer (see, for example, the Macintosh Quadra 660Av computer on page 6).

For added convenience, the AudioVision 14 comes with four side ports for headphones, external speakers, CD players, or a keyboard. So it's easy to record, listen to, or view all types of media. Contrast, brightness, and sound controls are conveniently located on the front panel. And new software controls let you customize the way the display handles sound input and output.
Apple Color Plus Display

The most affordable Apple color display for the Macintosh, this monitor offers the image quality and thoughtful design that you need for both text and graphics applications. Its 14-inch screen provides 640-by-480-pixel resolution. A built-in tilt-and-swivel base makes it simple to adjust to a comfortable viewing angle. And brightness, contrast, and on/off controls are conveniently located on the front panel. The monitor offers plug-in compatibility with any Macintosh LC, Centris, Macintosh Quadra, or PowerBook computer.

$329

Macintosh Color Display

An ideal workspace for composing your color documents, this 14-inch (diagonal) display provides unparalleled clarity and comfort. The flat, high-contrast Sony Trinitron tube delivers pure, uniform color with razor-sharp definition, while virtually eliminating flicker and distortion. The tilt-and-swivel base and front-mounted controls let you angle and adjust the display with a touch. It offers plug-in simplicity and up to 16.7 million colors when used with the Macintosh Display Card 8•24 (below left). E1381

$519

Macintosh Portrait Display

Black and white, crisp and clear, the Portrait Display shows a complete 8.5-by-11-inch page—just as it will appear when printed. Without scrolling up or down. Without printing preview pages to get a “real sense” of the final product. It plugs directly into many Macintosh computers without the need for a video card; other Macintosh models may require a Macintosh Display Card 8•24 (below left). Ask our ordering staff for details. E1323

$799

Kensington Anti-Glare Filters

Anti-glare filters reduce glare by up to 96 percent, improving clarity up to 20 times. These optical-quality glass filters have ceramic anti-reflection and scratch-resistant coatings and are custom designed to fit your display.

E1335 Macintosh Portrait Display Filter $69
E1330 AppleColor™ High-Resolution RGB Monitor (13-inch) Filter $69
E1334 Macintosh 12-inch RGB Display Filter $79
E1332 Macintosh and Radius 21-inch Display Filter $135
E1572 14-inch Macintosh Color Display Filter $69
E1331 Macintosh SE & SE/30 Filter $59
E1333 Macintosh Classic & Classic II Filter $59

Price

$2263 $329
E1381 $519
E1323 $799
E1322 $1,299
E2022 $729
New. High-resolution printing goes portable!

$429

**Portable StyleWriter**
Introducing the 4.5-pound, laser-quality printer that goes absolutely anywhere. A perfect companion for your PowerBook, the Portable StyleWriter delivers high-resolution output, versatile paper handling, and smooth, quiet performance—all in a sleek package that slips inside a briefcase.

Use the Portable StyleWriter on a plane, at a hotel, in a conference room, at home or the office. Because it prints in both horizontal and vertical positions, you can use it in even the most confined spaces. With whisper-quiet efficiency, it offers the same 360-dot-per-inch resolution as the popular StyleWriter II. And it works with any PowerBook, PowerBook Duo, or Macintosh computer, using a rechargeable battery or a standard power source.

**A printer as versatile as it is portable.**
The Portable StyleWriter comes with 39 TrueType scalable fonts for crisp, clear text in a range of styles and sizes. And it prints on envelopes, labels, transparencies, and letterhead, as well as regular paper. To simplify paper handling, a manual feeder is built in. And, when you're not on the go, an optional 50-sheet automatic feeder (at right) makes it easy to convert your Portable StyleWriter to a full-featured desktop printer. Includes a battery and recharger, ink cartridge, software drivers, and printer cables. E1942

**Accessories**

**$85 Automatic Sheet Feeder**
Transform your Portable StyleWriter into a full-featured desktop printer with the addition of this automatic sheet feeder. It neatly feeds up to 50 sheets—while you get on with your work. E1944

**$59 Portable StyleWriter Battery**
Keep an extra rechargeable battery on hand to make sure your Portable StyleWriter keeps printing when you're away from a power outlet for long stretches of time. Battery charge lasts for approximately 2 hours or 50 pages. E1943

Order Toll-Free 1-800-795-1000
Call 24 hours a day, 7 days a week.
Dial toll-free 1-800-755-0601 for TDD.

The star symbol indicates that this product meets federal Energy Star power conservation requirements. Details on the Order Form.
Affordable laser-quality printing for your desktop.

**$329 StyleWriter II**

If you're someone who demands high-quality printing at an affordable price, we invite you to examine the new Apple StyleWriter II printer. Its advanced inkjet technology delivers a laserlike resolution of 360 dots per inch, at speeds of up to two pages per minute. The included GrayShare® software provides improved graphics printing—so even halftone photographs emerge with remarkable clarity. And GrayShare lets you share the StyleWriter II with others on a network.

The StyleWriter II comes with virtually everything you need to begin printing: an ink cartridge, 39 TrueType fonts that let you print a range of type styles and sizes, and a 100-sheet tray for effortless paper handling and automatic envelope feed. Yet this printer can fit even the smallest desktop, and it weighs less than 7 pounds. A peripheral cable can be purchased separately (see the Order Form Cable List).

E1386 StyleWriter II Printer  
E1081 StyleWriter Bag (pictured left) $49

True-to-life color printing—for documents with vivid impact.

**$1099 Apple Color Printer**

The Apple Color Printer ensures that the colors you view on the screen are the colors you get on paper. Its Canon inkjet engine provides 360-dot-per-inch resolution and speeds of up to 2 minutes per page. GravShare software (included) lets your colleagues use the printer over a network. It prints on coated paper (recommended), plain paper, or transparencies in sizes of up to 11 by 17 inches, yet it consumes just 16 by 20.5 inches of desk space. Packed with everything you need to get started—64 TrueType fonts, sample paper, power cord, and documentation. Requires an Apple SCSI Cable (see the Order Form Cable List).

E1382 Apple Color Printer  
E1261 ImageWriter II Printer $429

Reliable dot-matrix printing for labels, forms—and more.

**$429 ImageWriter II**

If you need to print labels, invoices, letters, memos, or even those troublesome multipart forms, the ImageWriter II can make your busy days more productive. This dot-matrix printer connects to any Apple computer, either singly, or on a network with the ImageWriter LocalTalk Option (LocalTalk cable required). It offers a range of output options for both text and graphics, from draft mode to near-letter-quality mode. It handles continuous and multiple (up to four) part forms, yet easily switches to single-sheet feed to accommodate letterhead. The optional Cut Sheet Feeder allows automatic loading of up to 100 sheets of 8.5-by-11-inch letterhead or label sheets.

E1054 ImageWriter II/LQ LocalTalk Option $119  
E1010 ImageWriter II Cut Sheet Feeder $179  
E1085 Black Nylon ImageWriter Bag (Not pictured. Call for details) $89
New. Get the LaserWriter you’ve dreamed of—at an undreamed-of price.

$689

**Personal LaserWriter 300**

Now you can have the quality and convenience of true LaserWriter® printing for the price of an inkjet printer. Designed for small office and personal use, the Personal LaserWriter 300 delivers the sharp, clear, 300-dot-per-inch output you need—at a remarkably affordable price.

With its compact, lightweight design, the printer fits easily on any desktop. It comes with 39 scalable TrueType fonts for high-quality text in a wide range of styles and sizes. For maximum flexibility, it uses a standard 100-sheet cassette tray that can hold paper of different sizes and a manual-feed tray for printing on other media, envelopes, labels, and transparencies.

**A sharable printer at a personal price.**

The Personal LaserWriter 300 features GrayShare software, an innovative technology that gives you the ability to share your printer across a network. GrayShare also delivers easy-to-use image scaling and enhanced grayscale printing capabilities for sharp graphics. And, to conserve energy, an automatic on/off feature keeps the printer in a standby state when not in use. When you’re ready to print, the printer quickly powers up—to deliver up to four pages per minute. **E1945**

**Extra 100-Sheet Universal Paper Cassette** holds A4, U.S. letter, B5, and executive paper sizes. **E2258 $49**

**Assurance**

Phone support for as long as you own your Apple product. Plus new warranty services. Details on the Order Form.

**Supplies**

Shop for all your printer supplies on page 28. And don’t miss our gift offer on the same page.

**Questions?**

Call our customer service representatives for help: M-F, 8 A.M.—11 P.M.; Sat., 10 A.M.—6 P.M. ET.

☆ The star symbol indicates that this product meets federal Energy Star power conservation requirements. Details on the Order Form.

**Software Drivers**

Software drivers that enable the LaserWriter Select 300 and 310 to meet federal Energy Star requirements are available from your authorized Apple reseller or by calling 1-800-SOS-APPL.

**$49 StyleWriter and Personal LaserWriter LS Printer Driver Update**

If you own an original StyleWriter or Personal LaserWriter LS printer, this software gives you all the advantages of our new GrayShare technology—including sharper grayscale printing for images, charts, and graphs; printer sharing via a network; and 39 TrueType scalable fonts for maximum type quality. **E2259**

**$99 Kensington LaserStand**

The LaserStand stores and organizes two paper cassettes, two reams of paper, envelopes, power and network cables, and printer accessories under your printer. It also raises your LaserWriter to a comfortable height. **E1348**
Twice the speed.
Four times the resolution.

$1599

New. LaserWriter Select 360.
The most powerful member of the LaserWriter Select family, the LaserWriter Select 360 cranks out 10 pages per minute—twice the speed of the LaserWriter Select 300 or 310. It also prints at a remarkably crisp 600 dots per inch—four times the resolution of the other LaserWriter Select printers. And with its affordable PostScript and multiple active ports provides connections to Macintosh, Windows, and MS-DOS computers. With 64 built-in fonts, 7 megabytes of RAM, and PostScript Level 2, the LaserWriter Select 360 is a workhorse that easily meets the needs of a demanding workgroup.

Accessories

250-Sheet Feeder/Cassette
This sheet feeder mounts underneath your LaserWriter Select printer to add extra paper-handling abilities without consuming desk space. Its removable cassette holds 250 letter-size or A4 sheets. E1514 $149

500-Sheet Feeder/Cassette
This sheet feeder mounts underneath your LaserWriter Select to add extra paper-handling abilities without consuming desk space. Its removable cassette holds 500 letter-size or A4 sheets. E1515 $299

250-Sheet Letter Cassette
Holds 250 letter-size sheets. E1517 $79

250-Sheet Legal Cassette
Holds 250 legal-size sheets. (For LaserWriter Select 310, requires 25MB of RAM) E1519 $79

Envelope Cassette
Holds 30 business-size envelopes. E1518 $89

Multipurpose Tray
Mounts on the side to feed 50 letter-size sheets or 5 business-size envelopes. E1516 $25
LaserWriter Pro printers

Ultra-high-resolution results for workgroups with high expectations.

$1699

**LaserWriter Pro 600**

The LaserWriter Pro 600 sets a new standard in print quality, delivering unsurpassed output at 600 dots per inch—four times the resolution of most conventional laser printers. Ideal for shared use by busy workgroups, the LaserWriter Pro 600 has a 68030 processor and 8 megabytes of RAM—enough power to churn out consistently superior results, at up to eight pages per minute.

Want great graphics and scanned photographs? See what Apple's built-in PhotoGrade technology can show: clear, detailed images with up to 91 levels of gray—the equivalent of 1,000 dots per inch. And Apple's FinePrint technology smooths the jagged edges out of both text and line art.

**Merge it into any computing environment.**

Best of all, the performance of the LaserWriter Pro 600 is matched by its compatibility. Endowed with multiple ports (LocalTalk, parallel, and serial), this printer offers plug-in simplicity for AppleTalk networks and Macintosh, MS-DOS, and Windows computers. All ports stay active simultaneously—so the printer can accept jobs from all types of computers, on multiple networks. The LaserWriter Pro 600 also uses the latest version of Adobe PostScript Level 2 software and HP LaserJet IP (PCL 4.4) emulation. To create a wide range of documents, choose from the 64 TrueType fonts in the included Apple Font Library, or any other TrueType or PostScript fonts. The LaserWriter Pro 600 comes with two versatile paper trays (100- and 250-sheet capacity) and supports a total paper capacity of 850 sheets (with the options available at right).

**Order Toll-Free 1-800-795-1000**

Call 24 hours a day, 7 days a week. Dial toll-free 1-800-755-0601 for TDD.
Add high-speed Ethernet networking.

**$2149**

**LaserWriter Pro 630**

The LaserWriter Pro 630 provides you with all the high-performance features of its cousin, the LaserWriter Pro 600 (left). Then it takes one more technological leap forward with a built-in connection to Ethernet—a popular high-speed networking standard in the business world. The result is impeccable print quality for your workgroup, delivered swiftly and efficiently, in the most demanding Macintosh or Windows computing environments. In fact, no other printer in this class offers speed and image quality that's so impressive.

Its built-in PhotoGrade technology produces clear, detailed images with up to 91 levels of gray—the equivalent of 1,000 dots per inch. And Apple's FinePrint technology smooths the jagged edges out of both text and line art for remarkably crisp results. In many cases, this means you can create camera-ready output immediately.

High-performance networking with plug-in simplicity.

Whatever computers you work with, the LaserWriter Pro 630 provides the plug-in simplicity you need for increased productivity. Connect easily to high-speed Ethernet networks, or tap into a LocalTalk network. Parallel and serial ports let you connect to MS-DOS and Windows computers, while SCSI ports give you the option of attaching an extra hard disk for large-capacity font storage. All ports stay active, so you can bomb the printer with all sorts of documents without having to change a single setting. Like the LaserWriter Pro 600, the LaserWriter Pro 630 comes with two versatile paper trays and an array of paper-handling options (right).

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**Accessories**

**500-Sheet Feeder** This sheet feeder mounts underneath your LaserWriter Pro to add paper-handling abilities without consuming desk space. Its removable universal cassette holds 500 letter-size, legal-size, A4, or B5 sheets. E1526 $399

**500-Sheet Universal Cassette** Holds 500 letter-size, legal-size, A4, or B5 sheets. E1528 $149

**250-Sheet Universal Cassette** Holds 250 letter-size, legal-size, A4, or B5 sheets. E1529 $99

**Envelope Feeder** Mounts on the side to feed 75 business-size envelopes. E1527 $399

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**SUPPLIES**

Shop for all your printer supplies on page 28. And don't miss our gift offer on the same page.

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<td>Sold on page 25</td>
<td>Sold on page 25</td>
<td>Sold on page 25</td>
<td>Sold above (left)</td>
<td>Sold above</td>
</tr>
<tr>
<td>300 dpi</td>
<td>300 dpi</td>
<td>300 dpi</td>
<td>600 dpi or 300 dpi</td>
<td>600 dpi or 300 dpi</td>
<td>600 dpi or 300 dpi</td>
</tr>
<tr>
<td>Up to 4 ppm</td>
<td>Up to 5 ppm</td>
<td>Up to 5 ppm</td>
<td>10 ppm</td>
<td>8 ppm</td>
<td>8 ppm</td>
</tr>
<tr>
<td>100-sheet universal tray</td>
<td>250-sheet cassette</td>
<td>250-sheet cassette</td>
<td>550-sheet cassette</td>
<td>100-sheet, 250-sheet</td>
<td>100-sheet, 250-sheet</td>
</tr>
<tr>
<td></td>
<td>standard; optional</td>
<td>standard; optional</td>
<td>standard; optional</td>
<td>trays standard;</td>
<td>trays standard;</td>
</tr>
<tr>
<td></td>
<td>second 250- or 500-sheet</td>
<td>second 250- or 500-sheet</td>
<td>second 250- or 500-sheet</td>
<td>optional 500-sheet</td>
<td>optional 500-sheet</td>
</tr>
<tr>
<td></td>
<td>multipurpose cassette</td>
<td>multipurpose cassette</td>
<td>multipurpose cassette</td>
<td>cassette</td>
<td>cassette</td>
</tr>
<tr>
<td>TrueType (39 scalable)</td>
<td>TrueType (36 scalable)</td>
<td>PostScript (15 scalable)</td>
<td>64 TrueType (35 PostScript in ROM))</td>
<td>64 TrueType (35 PostScript in ROM))</td>
<td>64 TrueType (35 PostScript in ROM))</td>
</tr>
<tr>
<td>QuickDraw with GrayShare</td>
<td>QuickDraw with GrayShare;</td>
<td>Adobe PostScript Level 1</td>
<td>Adobe PostScript Level 1, HP PCL 5</td>
<td>Adobe PostScript Level 2, HP PCL 4+</td>
<td>Adobe PostScript Level 2, HP PCL 4+</td>
</tr>
<tr>
<td>Apple-designed ASCII</td>
<td>Apple-designed ASCII</td>
<td>AMD 20005 RISC processor</td>
<td>AMD 20005 RISC processor</td>
<td>68030 at 25 MHz, ASICS</td>
<td>68030 at 25 MHz, ASICS</td>
</tr>
<tr>
<td>High-speed serial RS-422</td>
<td>High-speed serial RS-422</td>
<td>Concurrent LocalTalk, parallel, serial</td>
<td>Concurrent LocalTalk, parallel, serial</td>
<td>Concurrent LocalTalk, Ethernet, parallel, serial</td>
<td>Concurrent LocalTalk, Ethernet, parallel, serial</td>
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<tr>
<td>$1945 $680</td>
<td>$1510 $790</td>
<td>$1511 $849</td>
<td>$1948 $1,599</td>
<td>$1521 $1,699</td>
<td>$1522 $2,149</td>
</tr>
</tbody>
</table>

---

**Notes:**

- **FinePrint and PhotoGrade FinePrint and PhotoGrade**
- **B ppm I ppm**
- **oigray—the equivalent of 1,000 dots per inch**
- **Apple's FinePrint technology smooths the jagged edges out of both text and line art for remarkably crisp results.**
- **In many cases, this means you can create camera-ready output immediately.**
Printer supplies

**Printer Ribbons**

$69 ImageWriter II Color Ribbon
Four-color ribbons (magenta, cyan, yellow, black) that snap right into your ImageWriter II. These ribbons allow you to print nearly anything you can draw or devise on your screen, in glorious color. The typical life of these ribbons is 1 million characters per color.

E1268 (Box of six)

$49 ImageWriter I and II Black Ribbon
The best time to order spare ribbons is when you don't need them. And even though these ribbons can print up to 2 million characters, they do wear out. Why not order a box today? E1267 (Box of six)

$119 ImageWriter LQ Color Ribbon
These four-color (magenta, cyan, yellow, and black) ribbons allow your ImageWriter LQ printer to print in color. E1270 (Box of six)

$89 ImageWriter LQ Black Ribbon
These durable ribbons are designed to last a long time. An ImageWriter LQ black ribbon has a typical life of 4 million characters. But all good things must come to an end—and replacements are easily available when you call The Apple Catalog. E1269 (Box of six)

$49 Scribe Black Ribbon Cassette
Yes, you can still get ribbons for your trusty Apple Scribe printer. In fact, you can get a dozen of them for a very reasonable price.

E1271 (Box of twelve)

**StyleWriter Supplies**

**StyleWriter and StyleWriter II Cartridges**
These reliable, easy-to-install ink cartridges deliver up to 500 pages of near-laser-quality printing of text and graphics on your compact StyleWriter or StyleWriter II printer.

E1266 StyleWriter Cartridge $19
E1396 StyleWriter II Cartridge $19

**LaserWriter Supplies**

**LaserWriter Toner Cartridges**
Through The Apple Catalog, essential (yet often forgotten) products like toner cartridges for your LaserWriter printer are simple to replace.

E1524 LaserWriter Pro $149
E1523 LaserWriter Select 300, 310, 360 $89
E1368 LaserWriter II $105
E1370 LaserWriter/LaserWriter Plus $99
E1946 Personal LaserWriter 300 $69
E1369 Personal LaserWriter $79

**$99 Personal LaserWriter 250- sheet Cassette Base**
This optional Cassette Base allows automatic feeding of up to 250 sheets—more than three times as many as the Personal LaserWriter printer's original cassette. Required for addition of the two Personal LaserWriter cassettes below.

E1011

**Letter Cassettes**

**Personal LaserWriter** Holds 250 sheets. Requires Cassette Base described above. E1009 $65

E1500 LaserWriter II Holds 200 sheets. E1015 $75

LaserWriter/LaserWriter Plus Holds 150 sheets. E1018 $59

**Legal Cassettes**

**Personal LaserWriter** Holds 250 sheets. Requires Cassette Base described above. E1016 $65

LaserWriter II Holds 200 sheets. E1007 $75

LaserWriter/LaserWriter Plus Holds 150 sheets. E1017 $59

**Apple Color Printer Supplies**

*Replacement ink cartridges for the Apple Color Printers*

| E1404 Black Ink Cartridge | $29 |
| E1405 Yellow Ink Cartridge | $39 |
| E1406 Magenta Ink Cartridge | $39 |
| E1407 Cyan Ink Cartridge | $39 |

**Apple Color Printer Paper Supplies**

Your Apple Color Printer is versatile enough to use almost any kind of paper, but coated paper is recommended for best results. Order your choice of high-quality coated paper or transparencies below.

Coated Paper:

| E1479 Letter size (200 sheets) | $2 |
| E1480 A4 size (200 sheets) | $2 |
| E1481 Legal size (200 sheets) | $3 |
| E1482 11"x17" size (200 sheets) | $4 |
| E1483 A3 size (200 sheets) | $5 |

Transparencies:

| E1484 Letter size (50 sheets) | $5 |
| E1485 A4 size (50 sheets) | $5 |

**Desktop Bindery Covers**

**Desktop Bindery Report Covers**
These covers work with the 1st Impression Desktop Bindery (page 37) to create professional-quality bound reports. They come 20 per package in your choice of colors and spine sizes (1/4" spine holds 1-15 sheets; 3/8" spine holds 16-30 sheets; 1/2" spine holds 31-60 sheets; 3/4" spine holds 61-120 sheets).

Report Covers, 8 1/2"x11" size:

<table>
<thead>
<tr>
<th>Spine width, 1/4&quot;</th>
<th>Spine width, 1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1550 White $17</td>
<td>E1551 White $17</td>
</tr>
<tr>
<td>E1554 Black $19</td>
<td>E1555 Black $22</td>
</tr>
</tbody>
</table>

Spine width, 3/8" Spine width, 3/4"

| E1552 White $19   | E1553 White $22  |
| E1556 Black $21   | E1557 Black $22  |

Report Covers, 9"x11" size:

<table>
<thead>
<tr>
<th>Spine width, 1/4&quot;</th>
<th>Spine width, 1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1558 Slate $28</td>
<td>E1559 Slate $28</td>
</tr>
</tbody>
</table>

**NEED IT FAST?**

We ship overnight for modest fees. So you can order it today, and use it tomorrow:
Details on the Order Form.
Education software
Award-winning ways to teach your children.

$39
The Lost Tribe
A modern game of strategy set in a prehistoric world, The Lost Tribe helps children (ages 8 and up) to learn social studies lessons in an engaging multi-media environment. Users must lead their tribe away from a natural disaster and toward a new homeland, traveling through any of six challenging scenarios full of images, music, sound—and intriguing random events. As the journey progresses, children learn valuable lessons about tribal societies and build leadership, decision-making, and conflict-resolution skills.
E1745 Macintosh E1650 Apple IIs

$40
Broderbund
The Treehouse
Together your child (age 6 and up) and an on-screen possum companion will spend hours exploring The Treehouse—while gaining all sorts of language, music, and arithmetic skills. Using this Apple Ile software, they'll learn fun facts about dozens of neighborhood critters (and the sounds they make); wend their way through a musical maze; create funny (but complete) sentences; practice addition, subtraction, and mathematical strategy; read about heroes and heroines; even sing along with an included audiocassette.

$40
Broderbund
Where in America's Past Is Carmen Sandiego?
The immensely popular Carmen Sandiego series continues with this rollicking adventure that sends kids sleuthing through America's past. Join the Acme Detective Agency and chase the notorious Carmen and her gang as they roam through nine periods of American history from pre-Columbian times to the present. Rich with graphics, sound, and music, the program includes over 1,200 clues about famous people, inventions, and events—and a 1,300-page reference book to help decipher those clues.
For Apple Ile or Macintosh. E1649

$35
Broderbund
The Playroom
Winner of six early education awards, The Playroom is a place where children (ages 3–6) learn to love learning. While exploring this colorful electronic environment with Pepper Mouse, their friend and guide, they gain valuable lessons about letters, numbers, math, reading, and telling time. The Playroom develops both thinking and computer skills—and teaches youngsters that education can be a joyful adventure.
E1654 Macintosh E1792 Apple IIs

$40
Broderbund
Kid Pix
Kid Pix is the multi-award-winning Macintosh paint program that's just as creative as children are. Designed to encourage artistic exploration, it allows kids to use a set of painting tools—fingerpaints, crayons, rubber stamps, brushes, erasers, magical special effects—without making a mess. And every tool has its own distinctive sound, from squeaks to splatters, so kids can listen to their masterworks as they paint.
E1652

$30
Broderbund
Kid Pix Companion
Expand the powers of Kid Pix (above) with its new artistic Companion. The SlideShow feature lets kids turn a series of Kid Pix drawings into a fully realized narrative, complete with graphics and sound effects. SlideShows can be saved, edited, replayed, and sent to friends on floppy disks. Kid Pix Companion also features an infinitely reusable electronic coloring book, and recorded voices that inspire kids with drawing suggestions. For Macintosh. E1653

Order Toll-Free 1-800-795-1000
Call 24 hours a day, 7 days a week.
Dial toll-free 1-800-755-0601 for TDD.
Great value on the brightest bus!

Master your memos.
Streamline your mailings.
Supercharge your spreadsheets.

$475

**New. Microsoft Office.**

Microsoft Office combines all of Microsoft's most popular office productivity software—Word 5.1, Excel 4.0, PowerPoint 3.0, plus a workstation license for Mail 3.1—making it one money-saving package. Word creates professional-looking documents, with total command of sophisticated formatting features. Excel speeds number-crunching tasks with advanced features like Autoformat and Scenario Manager. PowerPoint churns out dynamic presentations ranging from black and white overheads to full-color slides. Mail works with any existing Microsoft Mail server on an office network to keep you in touch electronically. And because the programs look and work alike—with common commands, menus, and shortcut keys—you'll learn them quickly and share information among them easily. (Get a $50 rebate on a Personal Training Systems tutorial for Microsoft Office. See page 49.)

**Word Processing**

$295

**Microsoft Word 5.1**

This powerful word processor just got a lot easier to use. Whether you need to dash off a memo or compose a lengthy report with graphics, its new "ribbon" control panel lets you make changes with a single mouse click. Includes a grammar checker, spelling checker, and thesaurus.

$229

**Claris MacWrite Pro**

You've always thought of a word processor as a convenient tool for creating text. But ideas are expressed in more than mere words. You've often wished you had a combination of text, graphics, charts, and sound available to you. When you need to create documents that express your ideas in more than just words, your choice is clearly Claris® MacWrite® Pro.

$299

**Claris FileMaker Pro 2.1**

Master masses of files and information. A database program with everything from layout tools to math functions, FileMaker® Pro offers maximum flexibility in organizing all sorts of data—including pictures and sound. **FREE** Now, for a limited time (until December 31, 1993), the self-paced audiocassette tutorial "Beginning FileMaker Pro"—a $52 value—is included with your order.

$295

**Microsoft Excel 4.0**

The latest version of this classic spreadsheet offers many tools to supercharge your number-crunching tasks. New output capabilities let you place spreadsheet cells, graphs, and text anywhere, on any page. And Excel’s toolbar automates common operations to save you time.

The Apple Catalog
siness software.

**FREE GIFT!**
Get free ClickArt—a $24.95 value—with your order of $150 or more. Details on the Order Form Envelope. Offer good through December 31, 1993.

$209
**ClaraWorks 2.0**
This tightly integrated word processing, graphics, spreadsheet, charting, database, and communications package could be your new office-in-a-box. Winner of a MacUser Editor's Choice Award, ClarisWorks lets you perform all the most common productivity tasks in one elegant and familiar environment—and at one extremely reasonable price. **FREE** Now, for a limited time (until December 31, 1993), the self-paced audiocassette tutorial "Beginning ClarisWorks"—a $52 value—is included with your order. E1815

$169
**Microsoft Works 3.0**
Get your hands on all the most common office productivity applications—in one affordable, integrated package. Microsoft Works includes a spreadsheet, database manager, word processor, and drawing and communications software—all working together to help you accomplish tasks from putting together mass mailings to preparing quarterly budgets. E1815

$269
**New. Seiko Smart Label Printer Pro.**
Now it's easy to produce great-looking labels in multiple formats—for envelopes, file folders, name tags, diskettes, shipping packages, binders, and more. This printer's advanced thermal engine prints laser-quality text, Postal Service-approved bar codes, even photolike halftone images and graphics—so everything that comes out of your office is organized, efficient, and professional. Print single labels as you need them, or dozens at a time. Comes complete with integrated database software, cable, power supply, and a roll of labels. E2003

**Smart Label Printer Plus** prints standard address labels for envelopes, file folders, even bar codes. Integrated "desk accessory" software lets you preview exactly what labels will look like. E1571 $149

For additional label printer supplies, call us at 1-800-795-1000.

**Accounting**

$139
**Teleware M.Y.O.B.**
With its customizable forms, flexible reporting, and features ranging from simple electronic card files to sophisticated cash-flow forecasts and asset inventory tracking, this award-winning accounting package helps you mind your own business with the functionality that experienced accountants expect—and the ease of use that novices demand. E1640

$69
**Teleware BESTBOOKS**
Don't let bookkeeping tasks get you down. Designed especially for small-business owners who'd rather do business than do books, this friendly system gets you up and running in minutes—with presets for over 30 types of businesses; automated invoicing, reporting, and check-writing; and absolutely no deadly accounting jargon. E1641

$49
**New. Quicken 4.0.**
The best-selling finance tool for small business and personal use, Quicken has now been upgraded to include over 100 new features—without sacrificing its renowned ease of use. Slash data-entry time with QuickFill: Just start typing, and as the characters match a transaction you've entered before, Quicken fills in the rest of it automatically. Color graphs give you at-a-glance insight into trends in your finances. Use Quicken to balance your (or your company's) checkbook, print your checks, track your investments, create loan amortization schedules, and make "what if?" calculations to plan for the future—without using complicated spreadsheets. With Quicken, you'll have complete command of your finances in one remarkably simple—and affordable—system. E2082

Quicken looks and works like your paper checkbook, so you already know how to use it!
Time-and-space-saving utilities

Share your files freely. Double your disk space. And more.

At last, Common Ground lets any Macintosh user view and print documents without the creating application or fonts. You can create and distribute a document that's identical—pixel-for-pixel—to the original. Text and graphics can be searched, copied, and pasted into other documents, even saved in PICT or text formats for editing. The free miniviewer lets others view your documents even if they do not have Common Ground. E1999

$69 New. Claris Power To Go.
Time to recharge your PowerBook battery again? Out of space on your hard disk already? If so, you need Power To Go”—smart utilities that extend battery life, maximize storage space, and enhance the usability of your PowerBook. One control panel helps you easily manage seven power-consumption variables, while an on-screen power gauge lets you monitor your remaining work time. The StuffIt SpaceSaver increases available hard disk space an average of 50 percent. E2221

$99 New. Stacker.
Finally, there's a safe, hassle-free way to double your hard disk capacity. Stacker lets you compress your disk with a few mouse clicks—then you never have to think about it again. When you open applications and files, Stacker decompresses them “on the fly,” with virtually no performance difference. When your computer writes data back to the disk, Stacker compresses it again. Customizable and compatible with Macintosh software, INITs, and utilities. E2153

$99 No Hands Software Magnet
A must for PowerBook users, Magnet is like having an energetic assistant to organize and update all your computer files. Tell Magnet what to do—synchronize files between your PowerBook and office computer or search a network (even remotely, via modem) to retrieve the most recent copy of a shared file—and it follows your instructions, automatically. E1616

$99 Central Point MacTools
Rated the best data protection software by many Macintosh magazines, MacTools features the industry’s best recovery from disk crashes (with analysis and repair of more than 100 disk problems), continuous virus protection (easily updatable over a network), and customizable data backup—all performed automatically, to your specifications. E1615

$39 Central Point Safe & Sound
Containing the same disk repair technology found in the award-winning MacTools (left), Safe & Sound is perfect for users who want data protection with ultimate simplicity. Just put one floppy disk in your Macintosh, and Safe & Sound does the rest—providing disk maintenance, virus protection, and data recovery with a single mouse click. E1620
Save energy and effort.
Handy productivity tools to increase your performance.

A remarkable time-saver for any Macintosh user, QuicKeys is the best tool for creating dozens of powerful keyboard shortcuts. Type text blocks with a single keystroke. Automate your access to on-line services. Switch printers in one step. Set up a numeric keypad on your PowerBook. And much more. No matter what types of tasks you perform or which applications you use, QuicKeys can make your work faster, easier, and more consistent. £2080

$65 Claris Retrieve It!
Where did that file go? What did I call it? The Retrieve It! desk accessory quickly and easily searches any volume—floppy disks, hard disks, file servers, and CD-ROM discs—for filenames as well as for text within files. With Retrieve It!, you can locate, view, and copy text from files without opening the applications used to create those documents. Whether you’re a student madly searching your cluttered hard disk or a power user with innumerable files and resources, this affordable accessory lets you find exactly what you need—with lightning speed. £1794

$79 Now Up-to-Date 2.0
Here’s a full-featured calendar application that maintains your schedule in precise detail, warns you of upcoming events, manages your to-do list, and keeps your associates up-to-date over a network—whether you’re in the office, at home, or on the road. It even prints pages for all popular organizer and appointment books. £1643

These intelligent systems help you use your computer with minimal drain on energy resources—and maximum convenience for you. Both will automatically switch off your computer after a specified period of inactivity, then switch it on with a touch of your keyboard. Naturally, you can customize various switch-off events to suit your work habits—and automatically save your work. Makes any Macintosh compliant with federal Energy Star conservation requirements.

Smartbar I is an adapter device with included software. It plugs into a wall socket to control one computer and up to seven peripherals. £270 $129

Smartbar III is a software-only system that installs easily to become one of your Macintosh control panels. £1996 $69

$89 New. Now Contact.
Now Contact gives you instant access to all your names, numbers, and addresses. And, unlike similar products, it offers complete flexibility—letting you decide the best way to store, retrieve, print, and display contact information. View all your most frequently called numbers at a glance, in one pull-down menu. Or store up to 12 phone numbers, two addresses, and detailed notes for each of your contacts. Now Contact integrates easily with Now Up-to-Date (left) to create the ultimate personal information manager. £2222

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24 hours a day, 7 days a week.
Dial toll-free 1-800-755-0601 for TDD.
System software
Get the system tools you need to do your work with maximum ease and efficiency.

$99 Macintosh System 7.1 Upgrade Kit
Make your Macintosh even more powerful and easy to use by upgrading to the latest version of System 7. You'll enjoy advanced features like Balloon Help for on-screen assistance, and subscribe to automatically link and update related documents. QuickTime software, a system extension that makes it easy to store and view moving images, is also included. E1315

$49 Macintosh System Software Version 6.0.8
This Macintosh system software is suggested for Macintosh computers that need the latest version of System 6. It retains familiar Macintosh capabilities such as pull-down menus and movable windows and icons, as well as the ability to work with more than one program at once. Comes with four 800K disks and a reference manual. E1282

Order Toll-Free 1-800-795-1000
24 hours a day, 7 days a week. Dial toll-free 1-800-755-0601 for TDD.

$79 Macintosh PC Exchange
Move files between your Macintosh and an MS-DOS or OS/2 computer. Insert an MS-DOS- or OS/2-formatted disk in your SuperDrive floppy disk drive, and its contents will appear on your screen as familiar Macintosh documents. Or save your files onto a floppy disk for transfer to an MS-DOS or OS/2 computer. Comes with a coupon for one year of toll-free support. Requires System 7 software. E1280

$59 At Ease
Your Macintosh is even easier for children to use with this System 7 extension. At Ease software provides one-click access to the items you specify. And a password protects the rest of your hard disk's contents from curious minds and little fingers. At Ease runs on Macintosh Plus and later models with at least 2 megabytes of RAM (4 megabytes recommended). Includes a coupon for one year of toll-free technical support. E1278

$109 Now Utilities 4.0
Now Utilities makes System 7 even faster, easier, and more efficient to use. It lets you automatically save documents; customize menus; speed file searches; manage diverse system extensions and massive font libraries; and catalog graphics, text, sounds, and QuickTime movies in a versatile Scrapbook. Named "best utilities" by both MacWEEK and MacUser. E1642

FREE! System 7 Tutorial
FREE Now, through December 31, 1993, the self-paced audiocassette tutorial System 7: Getting Started—a $52 value—is included with your order. E1315

This symbol tells you that Personal Training Systems Tutorials are available for the software titles indicated. See page 49 for details on these self-paced audiocassette tutorials.

FREE! HyperCard IIs System Software Version 3.3
This new system software is based on the Macintosh desktop metaphor. It features an improved Find File command, a handy pull-down calculator, and better keyboard and window navigation. Teach, an application included with this upgrade, allows you to read Macintosh-formatted Apple Pascal and Apple DOS 3.3 files. You'll even be able to control laserdisc players and MIDI devices with your Apple IIs. E1286

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$39 Apple IIs System Software Version 6.0
This new system software is based on the Macintosh desktop metaphor. It features an improved Find File command, a handy pull-down calculator, and better keyboard and window navigation. Teach, an application included with this upgrade, allows you to read Macintosh-formatted Apple Pascal and Apple DOS 3.3 files. You'll even be able to control laserdisc players and MIDI devices with your Apple IIs. E1286

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Powerful Presentations

Order outstanding software to enhance the fine art of persuasion.

$199

Aldus Persuasion 2.1
Create everything from dynamic overheads and slides to memorable audience handouts with this presentation program. The latest version of Persuasion helps you organize your thoughts in a very natural way, and gives you the tools to transform your ideas into professional-looking visuals. E1549

$139

The premier visualization program for spatial design professionals, Virtus WalkThrough allows you to take your audience on a "walking tour" of your design ideas. The software’s unique combination of object-oriented drawing and real-time, three-dimensional graphics provides an interactive environment for prototyping spatial designs of all types. Architects, retailers, facility planners, event coordinators, engineers—and their clients—will discover the experience of actually "strolling around a drawing." E1997

New. Virtus Voyager is a software module that allows Virtus WalkThrough users to create publishable 3D documents that can be viewed on any Macintosh. Import your WalkThrough models into Virtus Voyager, then pass them on to clients and colleagues to explore at their leisure. E2000 $69

T/Maker ClickArt and ClickArt Studio Series

ClickArt Studio Series
Add impact to presentations with these color images, compatible with any application that imports Encapsulated PostScript (EPS) files.

Animals & Nature
with more than 150 images. E2012 $65

Artistry & Borders
with more than 375 images. E2011 $65

Business Art
with more than 240 images. E2010 $65

Sports & Games
with more than 180 images. E2013 $65

Illustrations
with more than 175 images. E2014 $65

Event & Holiday Cartoons
with more than 100 images. E2017 $39

Personal Graphics
with more than 130 images. E2018 $39

ClickArt Series
Enliven any document with these black-and-white images. MacPaint® format is compatible with virtually all applications.

Business Cartoons
with more than 100 images. E2015 $39

Publications
with more than 100 images. E2016 $39
Imaging in any language

The keys to looking great on paper—from initial inspiration to final binding.

$249

New. Apple Language Kits.
Marvelous tools for the rapidly evolving global economy, Apple Language Kits come with the software, fonts, and instructions you need to easily add foreign languages and characters to your documents. Language Kits let you create everything from bilingual promotional materials to presentations and reports containing non-English characters. You can easily insert Japanese or Chinese text—either alone or blended with English—in letters, presentations, spreadsheets, and other documents.

<table>
<thead>
<tr>
<th>Kit Code</th>
<th>Kit Name</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>E2081</td>
<td>Japanese Language Kit</td>
<td>$249</td>
</tr>
<tr>
<td>E2140</td>
<td>Chinese Language Kit</td>
<td>$249</td>
</tr>
</tbody>
</table>

New. Apple Language Keyboards.
These customized keyboards are the perfect companions for the Language Kits above. Helpful, but not required for use of Language Kit software, each has characters printed in both English and Chinese or Japanese.

<table>
<thead>
<tr>
<th>Kit Code</th>
<th>Kit Name</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>E2143</td>
<td>Japanese Language Keyboard</td>
<td>$99</td>
</tr>
<tr>
<td>E2144</td>
<td>Chinese Language Keyboard</td>
<td>$99</td>
</tr>
</tbody>
</table>

Apple OneScanner
With the Apple OneScanner, transferring high-quality graphics and photos to your documents takes just a single click of the mouse. Because every OneScanner comes with Oioto 2.0 software, which makes the scanner exceptionally easy to use. Slip in any image. (Don’t worry about how straight it is.) Close the lid. Click the Autoscan button. The OneScanner automatically makes the appropriate settings, then scans, straightens, and crops the final image. Now the image is on your Macintosh screen—and the likeness is outstanding. The OneScanner produces near-photographic-quality scans at a resolution of up to 300 dots per inch with 256 levels of gray. It scans documents up to 8.5 by 14 inches, and even converts color images into deftly shaded black-and-white images. The OneScanner has precise, interactive controls for brightness and contrast, resizing, and image rotation—all of which allow you to preview the changes on the screen. E1260

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QUESTIONS?
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for help: M-F, 8 am–11 pm; Sat., 10 am–6 pm ET.
$99 Apple Font Pack for Macintosh
Add 43 distinctive TrueType fonts to your collection—at a very down-to-earth price. Developed in conjunction with the world's leading type foundries, the Apple Font Pack includes businesslike text fonts, eye-catching headline and display fonts, century-old classics, and unique calligraphic and symbol fonts. Self-installing and scalable to any size, they provide outstanding results on the screen and on the page.

$69 AgfaType CD-ROM
owning this CD-ROM is like having an entire font foundry at your fingertips. For just $69, you get more than 20 exclusive display typefaces, plus multimedia type tutorials and more than 7 megabytes of public domain and shareware utilities. Then browse through an on-line catalog of more than 2,000 other Adobe PostScript and Agfa PostScript and TrueType fonts—and "unlock" the ones you choose; any time, with one toll-free call. You'll be charged only for those fonts you use. MacUser says, "AgfaType is the best of the new breed of unlockable-font CD-ROMs." (Not shown.)

$399 Aldus FreeHand
Work and edit in color, create hand-drawn effects with pressure-sensitive tools, and stack graphic design elements in layers. FreeHand offers the ability to make changes with ease and precision, and the professional-quality performance required to produce black-and-white or four-color prepress output. E1350

$210 Aldus IntelliDraw
Aldus IntelliDraw is one of the fastest ways to create and refine dynamic drawings on your Macintosh. With IntelliDraw, linked objects in your drawings respond to changes automatically, so you can create drawings and animations and update them "on the fly"—even during presentations. Your documents can even have multiple pages and layers. E1352

$269 1st Impression Desktop Bindery
Now it's just as easy to bind your publications as it is to produce them—from your desktop. Just place your finished pages in a custom cover, and slip them into this compact bindery. In just 35 seconds, 1st Impression's thermal technology ensures that your document is neatly and professionally bound—and sure to be read. Comes with a starter pack of 70 white covers with transparent fronts, in spine widths ranging from ¼ inch to ½ inch. Or choose from a variety of other cover styles and sizes, available on page 28 or from your local stationer. You'll always be sure your reports and proposals suit your subject matter—and impress your audience. E1505

Custom cover styles for the Desktop Bindery can be found on page 28.
Color publishing made easy.
Create dynamic documents—in living color.

$579
New. Aldus PageMaker 5.0.
The software that sparked the desktop publishing revolution, this newest version of Aldus PageMaker is packed with sophisticated features that give you absolute control to produce professional-quality publications—in color or black and white. PageMaker 5.0 combines tools tailored for each person in the publishing cycle: graphics designers; writers, editors, and typesetters; production artists and prepress personnel. Integrate graphics, text, and data from a wide variety of software packages. Rotate, skew, and mirror text and images. Easily generate high-quality color separations. In short, you gain complete control over every aspect of the publishing process, saving significant time, effort, and money over traditional methods. E1351

$399 Adobe Illustrator 5.0
One of the most advanced tools for creating artful illustrations and designs, dazzling logos and letterheads, Illustrator puts professional-quality drawing abilities in your hands. Create your artwork from scratch, trace and transform scanned images, or use its many built-in tools to render shapes, finesse contours, manipulate text, and produce subtle highlighting and airbrush effects. E1403

$99 Claris BrushStrokes
BrushStrokes brings simple, powerful color painting and image editing to your Macintosh. Its ease of use can inspire a novice creating illustrations for the first time—yet its advanced 32-bit capabilities will impress graphics artists and business people who demand professional-looking presentations. BrushStrokes includes many of the features of high-end paint programs that cost several times its price: a gallery of clip-art images, borders, and backgrounds, sophisticated paintbrushes, image manipulation tools, and special effects. And, of course, an intuitive interface with complete, context-sensitive help. E1793

$599 Adobe Photoshop 2.5
Owning Adobe Photoshop is like having a complete professional prepress, color correction, paintbox, and darkroom system on your Macintosh. Photoshop lets you edit, merge, and manipulate images—everything from fine retouching to complete transformations—in black and white or 24-bit color. This latest version has become the tool of choice for all sorts of imaging professionals—without sacrificing ease of use. E1383

This symbol tells you that Personal Training Systems Tutorials are available for the software titles indicated. See page 49 for details on these self-paced audio cassette tutorials.
Apple Color OneScanner

Capturing color images—while preserving the integrity of their true colors—is the exceptional strength of the Apple Color OneScanner. Yet it also offers unrivaled simplicity: Lift the lid. Slip in one photo, one map, one illustration, one diagram. Press one button. That’s it.

Almost immediately, the image begins appearing on your Macintosh screen. As the scan progresses, built-in ColorSync software provides automatic, behind-the-scenes color matching—so colors stay consistent from scan to screen to print. In a single pass, the scanner’s sensors can produce a photorealistic image displaying up to 16.7 million colors, at your choice of resolutions from 75 to 1200 dots per inch.

The scanner’s included Ofoto 2.0 software provides a high degree of user control, via a remarkably intuitive interface. You can edit any image with complete command of rotation and sizing, highlights and shadows, printer calibration, and much more. The Color OneScanner also comes with HyperScan™ 2.0.1 software, which scans images into HyperCard® stacks; a detailed user’s manual; and a color-design booklet.

$199 New. Aldus Fetch 1.2.

Invaluable for any business that works with visual or multimedia information, Aldus Fetch is a powerful archiving tool that lets you create a visual gallery of virtually all your files. With Fetch, one or more users can catalog clip art, illustrations, documents, photos, page layouts, presentations, QuickTime movies, sounds, applications—and more—in a common visual database for fast browsing and retrieval. Instantly search for images by keywords or attributes. Preview files—even sounds and movies—without their original applications, then copy and paste them into popular page layout programs such as PageMaker. Whether you need a file from your own hard disk, Apple workgroup servers, or from a network that spans a corporation, Fetch makes organizing, browsing, finding, and retrieving files swift and efficient.

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<tr>
<th>E1214</th>
<th>Single-User Version</th>
<th>$199</th>
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<td>E1225</td>
<td>10-User Package</td>
<td>$1299</td>
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</table>

Aldus Fetch lets you create a visual gallery of virtually all your mixed-media files.

The Apple Color Printer (page 23) provides crisp, 300-dots-per-inch resolution and flexible handling of various paper and transparency sizes.

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Dial toll-free 1-800-755-0601 for TDD.

Every Apple color system takes advantage of our new ColorSync software. So the colors match from scan to screen to print, and you can concentrate on doing your work instead of tweaking the hues in your document.
Don't just persuade them. Compelling multimedia tools add compelling power to your business presentations.

$19 Apple Microphone
Add voiceovers to your presentations, narrations to your training materials, spoken annotations to documents and HyperCard stacks. Lightweight, compact—and extremely affordable—this microphone plugs into your Macintosh in seconds, enabling you to digitize and store sounds directly on disk. Then cut, paste, and edit them as you please. Comes with a 3-meter cord and a microphone holder to hang it neatly near your computer. E1504

$139 QuickTime Starter Kit
In no time, QuickTime has started a multimedia revolution. QuickTime is a system extension that lets you store and view moving images on your Macintosh as easily as you can view a word processing document—just point and click. Virtually all popular multimedia applications support QuickTime. The Starter Kit includes QuickTime software; QuickClips, a CD-ROM disc with more than 400 megabytes of clip video, animation, and stills for your own use; and one year of toll-free technical support. A CD-ROM drive (page 41 or 44) is not required but is eminently useful. E1279

Killer Tracks Multimedia Music
Add life to your multimedia presentations with professionally produced sound tracks. Killer Tracks offers you a diverse library of digitally recorded music and live sounds on CD-ROM, which you can easily synchronize with your intros, transitions, and imagery sequences—without consuming valuable space on your Macintosh hard disk. Three versions offer you a choice of music specially tailored for sales, training, or education uses.

| E1772 | Killer Tracks for Sales | $69 |
| E1773 | Killer Tracks for Training | $69 |
| E1774 | Killer Tracks for Education | $69 |

$459 Adobe Premiere 2.0
Using Adobe Premiere is like having a movie studio on your desktop. Gather and organize all kinds of audiovisual material—graphics, still images, sound, video clips, animations. Then use a powerful set of tools—including fades, dissolves, and other special effects—for complete creative control in bringing your presentation to life. E1397

$849 SuperMac VideoSpigot
Now you can pour full-motion video into your Macintosh. Store it on your hard disk. And easily incorporate it into business presentations, interactive training materials, electronic publications, and more. VideoSpigot is a complete solution that provides all the hardware and software necessary to capture external video—in real time, at speeds as high as the industry-standard 30 frames per second—and transform it into QuickTime movies.

VideoSpigot LC for the Macintosh LC, LC II, LC III, and Color Classic. E1398 $269
VideoSpigot NuBus for all Macintosh computers with NuBus expansion slots. Comes with a copy of Adobe Premiere LE software at no additional charge. E1399 $349

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24 hours a day, 7 days a week
Dial toll-free 1-800-755-0601 for TDD.
New. Morph 2.0
by Gryphon Software.
 Hollywood special-effects wizards call it "morphing": the gradual transformation of one image into another, using a computer to generate and animate the process. For blockbuster movies, hundreds of thousands of dollars—and lots of high-powered computers—are used to create these magical visions. Now, Morph brings the same capabilities to the Macintosh at a fraction of the price.

Transform two movies or still images into each other: a child into a man, a man into a monster, a monster into a cuddly kitten. Transform photos into entertaining cartoons. Import images from a variety of sources—video captured from cameras or VCRs, QuickTime clips, or any scanned image or PICT illustration—then use a variety of settings to control the transformation. Click a button, and Morph does the rest. The resulting animations can be compressed and saved as QuickTime movies—and replayed to add dazzling effects to any presentation.

Morph 1.0 performs the same magical transformations, working with still images only.

$169

Questions?

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With multimedia software on your Macintosh, it's easy to integrate the images you've captured into an interactive environment of words, pictures, and sounds.

$429 AppleCD 300 CD-ROM Drive
Plug the AppleCD 300 into your Macintosh and put a world of information at your fingertips. Today, everything from encyclopedias to classic films is stored on CD-ROM discs—650-megabyte discs that look just like audio CDs (the AppleCD 300 plays those, as well). The AppleCD 300 is twice as fast as most CD-ROM drives, and provides smoother playback of digital video and QuickTime movies. It also supports multiple sessions with Kodak Photo CD discs—so you can process conventional rolls of film digitally, store the images on a Photo CD for viewing on your Macintosh, copy and paste them into other applications, then add more images to the same CD again and again. The AppleCD 300 includes QuickTime and CD Setup software, nine CD-ROM titles, and, while supplies last, a coupon good for a $5 discount on Kodak Photo CD processing.

E1402

AppleCD 150 CD-ROM Drive
Our most affordable CD-ROM player is a standard-speed drive that access many of the same CD-ROM discs, and supports single sessions with Kodak Photo CD.

$140 Apple CD Caddy
Each protective caddy shields a disc from data-damaging dust and scratches, then loads it into your CD-ROM drive, where the metal shutter slides away to uncover the disc. (Box of five. Not shown.)

E1026 $369

$39 Apple CD Caddy
Each protective caddy shields a disc from data-damaging dust and scratches, then loads it into your CD-ROM drive, where the metal shutter slides away to uncover the disc. (Box of five. Not shown.)

Call our ordering staff at 1-800-795-1000 to discuss system requirements for the products on these pages.

Your AppleCD 300 CD-ROM Drive comes with nine CD-ROM titles, plus QuickTime and CD Setup software.

Then make dynamic—and very impressive—presentations.
Multimedia expertise
Choose from Macromedia's best-selling software—the tools preferred by professionals.

$849

Director
The foremost authoring tool for multimedia productions, Macromedia Director gives you the power to communicate more effectively with sophisticated animation, sound, video, and interactivity. Use Director to produce dynamic information kiosks, technical visualizations, simulations, video productions, and business presentations. Enjoy complete, precise control of all the elements in your multimedia productions—whether you develop them in Director or import them from different sources. The integrated Cast, Paint, and Score windows let you create and sequence animations, graphics, and text, and synchronize them with sound and video. This award-winning multimedia program is the tool of choice for more than 50,000 multimedia developers. E2159

$299 Clip Media 1: Business & Technology
This CD-ROM disc contains a library of high-quality, royalty-free multimedia clips chosen specifically for use in business and technology presentations. Hundreds of video clips, graphics, animations, sound effects, and music clips can be used and modified over and over again. It's a great way to add action and interest to your presentations—easily, quickly, and cost-effectively. E2158

$249 Action!
Designed specifically for uncommon ease of use, Action! is the first application that lets businesspeople quickly create persuasive multimedia presentations combining sound, motion, text, graphics, animation, QuickTime movies, and interactivity. Yet it works like many familiar slide-making applications, with simple outlining, drawing, and text tools. You control the flow of your presentation with a graphic timeline, instant links and buttons, and an intuitive control panel. Sixty multimedia templates are included—just replace text and graphic elements to suit your needs. E2156

$249 SoundEdit Pro
Bring multitrack sound mixing and editing powers to your Macintosh screen. SoundEdit Pro lets you blend and manipulate multiple tracks of voice, music, and sound effects for inclusion in multimedia productions, audio annotation of documents, even email. You can record digital sound to and play it directly from your hard disk. Cut and paste sounds just like text or graphics, and easily add special effects like echo, reverb, and filtering—all via an intuitive, "tape recorder" interface that can simultaneously display sound as waveforms and as two- or three-dimension spectral views. E2157

$499 Swivel 3D Professional
Use Swivel 3D Professional to quickly visualize concepts, develop and present ideas, and build mechanical models in a vividly rendered three-dimensional world. Ideal for designers, publishers, and multimedia developers, this program lets you create compelling infographics, dynamic visualizations, dramatic animations, and high-quality illustrations. Advanced features include smooth shading, control of eight different light sources, environmental mapping, and 24-bit color output. In short, Swivel 3D Pro gives you the power of a high-performance graphics system at a fraction of the cost—without compromising ease of use. E2160
Sound advice
Transform your desktop into a full-fledged digital recording and editing studio.

$799 Digidesign Audiomedia LC
Tune your radio to any contemporary station, and you'll hear rhythms and melodies created with the same digital recording technology contained in Audiomedia. The only difference is that Audiomedia gives you the power and features of a professional recording studio at a fraction of the price-in a compact, easy-to-use system.

The Audiomedia system consists of two powerful elements. The Audiomedia card is a high-performance audio expansion board that provides the digital signal-processing power to record stereo sound direct to your Macintosh hard disk. Sound Designer II software provides an intuitive, graphic environment for editing, shaping, and manipulating that sound. Insert fades, change pitches, or add many other special effects. Use the powerful Playlist feature to juggle various sections of a song-intro, verse, chorus-and regroup them to create an infinite number of new arrangements, without destroying the original recording or using additional disk space. With 16-bit resolution and a 44.1-kHz sampling rate, your recordings will have the same fidelity as a compact disc.

EZ Vision software is just one part of the EZ Music Starter Kit.

$199 Opcode Systems
EZ Music Starter Kit
The EZ Music Starter Kit provides nearly everything you need to begin making music on your Macintosh. Four elements are included in one affordable package: The Book of MIDI is a HyperCard tutorial that makes learning about MIDI simple and fun. The MIDI Translator is a hardware interface between any synthesizer and your Macintosh. EZ Vision sequencing software turns your computer into an electronic "player piano," letting you compose, control, and edit up to 16 different instrumental parts-and play them simultaneously. And Band-in-a-Box software generates professional-quality bass, drum, and piano arrangements in a variety of popular styles. Requires a MIDI synthesizer. E1614

Audiomedia II for any Macintosh computer with a NuBus expansion slot. E1623 $999
Audiomedia LC for any Macintosh LC, LC II, LC III, or Color Classic computer. E1622 $799

$339 Roland PC-200mkII
MIDI Keyboard Controller
Ideally suited for multimedia applications, this compact 49-note keyboard is an affordable way to enjoy the pleasures of MIDI (Musical Instrument Digital Interface) music composition. The PC-200mkII offers a built-in bender/modulation lever and sustain capabilities; a data-entry slider for real-time control of volume, pan, and other MIDI messages; and a velocity-sensitive keyboard for outstanding dynamics. With just a touch of a button you can shift the tone range of the keyboard up or down by one octave. Connect the PC-200mkII to the Roland SC-7 Sound Module via the Apple MIDI Interface (below). Then plug the Sound Module into your Macintosh-and start to play. E1703

$349 Roland SC-7 Sound Module
Lurking inside this compact module are the pure, lifelike sounds of 128 musical instruments and sound effects, and six “drum kits”—all in CD-quality digital form—ready to be arranged in any musical composition you might imagine. Used with a keyboard controller, a Macintosh, and appropriate software, this Roland Sound Module is like having an entire orchestra on your desktop. It comes with built-in effects like reverb, delay, and chorus; software for accompaniment and scoring; inputs for a CD-ROM player; and outputs to a stereo amplifier or headphones. E1627

$79 Apple MIDI Interface
This compact interface is the essential hardware link between any MIDI instrument and your Macintosh computer. With your order, you'll receive the Apple MIDI Interface, MIDI cables, Apple System Peripheral-8 Cable, user's guide, and one-year limited warranty. E1042

$79 Opcode Systems
Audioshop
Audioshop's CD Player interface allows you to play and manipulate both Macintosh sampled sounds and audio tracks from your CD library. Imported sounds can be displayed as waveforms, manipulated with various tools, even cut and pasted like text in a word processor. Use Audioshop to process sound for multimedia applications, to add special effects, and to create and edit extensive audio playlists. Includes two discs of music and sounds to get you started quickly. E1775

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Introducing PowerCD

Now, get the first portable, three-in-one player—for CD-ROMs, Photo CDs, and audio CDs.

$399

New. PowerCD.
Multimedia CD-ROM discs. Photo CDs. Audio CDs. If you've been waiting for an affordable, portable player that gives you carefree access to every kind of CD technology—meet PowerCD.

Designed for use with any Macintosh or PowerBook computer, the 3-pound PowerCD player lets you give high-quality presentations anywhere, anytime. You can tap into thousands of existing multimedia CD-ROM discs, including reference libraries, databases, clip-art and clip-media collections, interactive educational programs, and more. To get you started, the PowerCD even comes with a collection of CD-ROMs, Kodak Photo CDs, and useful software (below).

Access and manipulate digital photography with your PowerCD, then view the pictures on a television or computer screen. You can also have your own camera films converted to Photo CD images; zoom, rotate, and manipulate them any way you want; then copy and paste them into word processing, presentation, or graphics applications.

Use the included video/stereo out cable to connect the PowerCD to your television. Or use the built-in SCSI port (and your own cable) to connect to a Macintosh or PowerBook computer. Of course, PowerCD can act as a high-fidelity audio CD player, too. Runs on AC power (adapter included), or eight AA batteries; remote control included.

$52 New. PowerCD Carry Bag.
When you're on the go, this durable case neatly stores your PowerCD, remote control, accessories, and up to three CDs (in jewel cases). Multiple detachable sections make it easy to organize, and an adjustable strap makes it easy to carry.

Your PowerCD comes loaded!

• Introducing PowerCD, a Photo CD disc
• Visual Symbols, a Photo CD of clip-art images
• Great Cities of the World, Vol. 2, a multimedia travel guide
• AppleLink® CD Sampler, an introduction to the reference material available on the AppleLink CD (page 58)
• Complete setup, learning, and reference documentation and disks

The Apple Catalog
$179 AppleDesign™ Powered Speakers
These compact speakers deliver crisp, clean sound from your Macintosh or IBM-compatible computer, PowerCD player, television, or stereo system. Engineered to meet the unique requirements of computer use, the speakers let you take advantage of the high-quality audio of multimedia titles and audio CDs. They have a built-in mixer, which blends the two types of sound your computer and CD-ROM drive produce—music tracks from audio CDs, and computer-generated sounds like warning beeps or game effects. Designed for near-field listening, these speakers ensure that you enjoy deep bass and shimmering treble without disturbing people around you. There's even a built-in headphone jack for listening privacy. E1503

Connect PowerCD to the AppleDesign Powered Speakers and enjoy crisp stereo sound from your audio CDs.

Display your Kodak Photo CD images directly on any television screen. It's a great way to explore photo archives or view family snapshots.

Warner New Media CD-ROM Discs

$80 Hell Cab
An interactive epic adventure, Hell Cab is more than a game—it's a hair-raising journey in a time machine. Join your driver, Raul, for a taxi ride through history's most infamous periods. E2176

$53 The Orchestra
Benjamin Britten's popular selection The Young Person's Guide to the Orchestra is featured with full-length annotation in sync with the music. An Instrument Catalog teaches all about the instruments of the orchestra. E2180

$48 Sports Illustrated CD-ROM Sports Almanac
With a click of your mouse, this almanac provides access to any star or stat in the wide-ranging world of sports, from major league baseball to dog-sled racing. E2186

$64 How Computers Work
Become a computer expert with this fun and easy-to-use guide. Colorful, narrated slide shows and hands-on activities demystify everything from programming concepts to hardware. E2189

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Voyager Multimedia CD-ROM Discs

So I've Heard, Vol. 1: Bach and Before
This overview of two millennia of music travels from ancient Greek rituals to the passionate complexities of Bach and Handel. Includes audio examples from 35 recordings. E1737 $21

Last Chance to See
Douglas Adams, creator of The Hitch Hiker's Guide to the Galaxy, teams up with zoologist Mark Carwardine to create this funny yet poignant visit with endangered species such as the mountain gorilla and Yangtze river dolphin. A two-CD set. E1973 $49

Who Built America?
This groundbreaking CD-ROM combines historical video, audio, images, and documents while taking you back in time to a crucial period in American history: from the first centennial in 1876 to World War I. E1975 $79

Take Five
Relieve everyday stress with your Macintosh. This refreshing CD-ROM takes you on a visual vacation, and offers a wide range of activities to ease aching muscles, soothe frazzled nerves, and recharge mental energy. E1811 $39

I Photograph to Remember

Criterion Goes to the Movies
With over 150 video clips from the world's greatest films in Voyager's Criterion Collection, this CD-ROM is a movie fan's dream-come-true. It's also chock-full of essays, credits, and coupons good for $50 off Criterion Collection laserdiscs. E1734 $21

Voyager Expanded Books on Floppy Disk

The Pelican Brief by John Grisham
The author of The Firm returns with another legal thriller. When two Supreme Court justices are mysteriously assassinated, law student Darby Shaw inadvertently uncovers clues to the murderer's identity. E1976 $19

Sailor Song by Ken Kesey
Hollywood types invade an Alaskan fishing village in this comic and touching tale by the author of One Flew over the Cuckoo's Nest. E1719 $19

Neuromancer/Count Zer0/Mona Lisa Overdrive by William Gibson
The trio of novels that reinvented science fiction, depicting a future where information is both ultimate prize and ultimate weapon. E1718 $19

Expanded Book Toolkit
Everything you need to create your own electronic books for the Macintosh—quickly, easily, and inexpensively. Simply import text and graphics, and the Toolkit quickly formats your book, turning it into an electronic publication. E1978 $249

Who Built America?
This groundbreaking CD-ROM combines historical video, audio, images, and documents while taking you back in time to a crucial period in American history: from the first centennial in 1876 to World War I. E1975 $79

Waiting to Exhale by Terry McMillan
In a hard-hitting yet humorous account of female camaraderie, four African-American heroines share their strengths and grow emotionally. E1977 $19

The Complete Stories, Vol. 1 by Isaac Asimov
Enrune, fanciful, provocative, and fun, these 46 stories showcase the prolific Isaac Asimov's diverse talents. E1716 $19

Jurassic Park by Michael Crichton
Genetically engineered dinosaurs run amok in this heart-pounding cautionary tale warning of the perils of irresponsible tinkering with genetic code. E1717 $19

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**Creative Multimedia Corporation CD-ROM Discs**

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<tr>
<td>Who Killed Sam Rupert?</td>
<td>A rich and handsome restaurateur is found dead in his wine cellar—and you soon discover that a colorful cast of suspects had reasons to want Sam Rupert dead. Solve the fun-filled multimedia mystery that recently won four prestigious industry awards.</td>
<td>$1970</td>
</tr>
<tr>
<td>Dinosaur Safari</td>
<td>Travel through time on a Mesozoic adventure. Use 3D animations to learn about dinosaurs, geography, and geology. Capture your prey on photographs or video in this interactive, educational safari.</td>
<td>$1971</td>
</tr>
<tr>
<td>Chaos Continuum</td>
<td>In the year 2577, Titan Colony is held captive by a vast, orbiting sentient supercomputer called CHAOS. Trapped in a parallel continuum, the scientists who created CHAOS are seeking help—from you. A dramatic new development in CD-ROM entertainment.</td>
<td>$1972</td>
</tr>
<tr>
<td>Family Doctor III</td>
<td>Use this award-winning resource to find the answers you need for your family's health and well-being. Updated and comprehensive, it features full-motion video, animation, audio, text, and printing capabilities.</td>
<td>$1968</td>
</tr>
<tr>
<td>Parenting: Prenatal to Preschool</td>
<td>A multimedia resource for parents that uses authoritative text, photos, and audio clips to help you with the most important job of your life—from the time you make the decision to have a child through his or her preschool years.</td>
<td>$1979</td>
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**Warner New Media CD-ROM Discs**

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<th>Title</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
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<tr>
<td>Funny</td>
<td>Brian Feren's film on CD-ROM features performance of nearly 100 jokes indexed by topic, tastefulness, color of the comic's hair, and more. A Macworld award winner.</td>
<td>$1974</td>
</tr>
<tr>
<td>A German Requiem</td>
<td>More than a listening experience, this color-enhanced program features the complete English and German texts and two real-time analyses of Brahms' music.</td>
<td>$1978</td>
</tr>
<tr>
<td>Desert Storm</td>
<td>Experience the sights and sounds of the Persian Gulf War directly from the field. Includes original correspondents' reports, exclusive recorded interviews, and more than 300 photographs.</td>
<td>$1981</td>
</tr>
<tr>
<td>Word Tales</td>
<td>Your kids will have fun learning word recognition and initial letter sounds with these animated, reward-filled activities. Word Tales makes learning a playful experience.</td>
<td>$1984</td>
</tr>
<tr>
<td>The View from Earth</td>
<td>Explore the Earth, sun, and moon as never before with this interactive CD-ROM. Stunning color slide shows and narrated tours of our solar system bring outer space in close.</td>
<td>$1990</td>
</tr>
<tr>
<td>Clinton: Portrait of Victory</td>
<td>Join Bill Clinton on his long journey to the White House. Photojournalist P. F. Bentley reveals the candidate in 300 intimate photographs, annotated with speeches, music, and narration.</td>
<td>$1983</td>
</tr>
<tr>
<td>The New Family Bible</td>
<td>All of your favorite Bible stories are presented in full-color paintings and audio dramatizations. Includes maps of Biblical lands, family trees, and more.</td>
<td>$1975</td>
</tr>
<tr>
<td>Seven Days in August</td>
<td>A day-by-day, eyewitness account of the terrifying construction of the Berlin Wall in 1961. Relive the events through the eyes of Berliners, Cold War politicians, and Americans.</td>
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</tr>
<tr>
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<td>Beethoven's masterpiece, plus hundreds of pictures, more than 250 additional audio examples, and music analysis, commentary, and historical information.</td>
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  A multimedia resource for parents that uses authoritative text, photos, and audio clips to help you with the most important job of your life—from the time you make the decision to have a child through his or her preschool years. $1979

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- Macintosh Reference Manual
- Macintosh SE Owner's Guide
- Macintosh User's Guide
- Macintosh II User's Guide
- Desktop Macintosh
- Macintosh Ilext Manual
- Macintosh II Owner's Manual

PowerBook/Macintosh Portable
- Getting Started PowerBook 100 Manual
- Getting Started PowerBook 140/170 Manual
- Macintosh Portable Owner's Guide

Printers
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- LaserWriter II, NT/NTX Manual
- StyleWriter Owner's Guide

All manuals are $15 each.

**AppleLink**

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Resources, news, technical support, and more than 50,000 other Macintosh friends in 52 countries are just a local telephone call away with AppleLink service, your Macintosh, and a modem. As Apple's on-line service, AppleLink provides direct, 24-hour access to expert advice—from developers and resellers to colleagues and other Macintosh users. Contact developers with your technical questions, or browse through Apple's extensive technical library. Use AppleLink to sample software and access upgrades. You get your own electronic mailbox, so you can easily send and receive messages, documents, graphics, and page layouts to other AppleLink subscribers—with software regarded as the easiest to use of any on-line service. And retrieve mail from a phone line anywhere in the world. AppleLink is one of the most sophisticated, global, yet easy-to-use electronic mail systems around.

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$299 Single-User Version
This version requires any Macintosh with 4 megabytes of RAM, system software version 6.0.7 or later, and a Macintosh-compatible CD-ROM drive. Updated quarterly. E1490

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This version makes the information accessible over a network. Also requires System 7 (or AppleShare* 3.0 software for users of system software version 6.0.7 or 6.0.8). Updated quarterly. E1495

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Order the PTS tutorial for Microsoft Office, and you'll get more than a great deal of expertise—you'll get a great deal. Until December 31, 1993, every Microsoft Office tutorial comes with a manufacturer's rebate of $50. So you end up spending just $99 for a whole lot of valuable training.

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- Getting Started with System 7
- Beginning Microsoft Word 5.1
- Beginning Microsoft Excel 4.0
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Networking
With these products, it's easy to connect with people across the hall or across the country.

AppleTalk Networks

$199 AppleTalk Remote Access
Even when you're far from the office network, you can take advantage of its file servers, printers, and electronic mail services with AppleTalk Remote Access software. Just use this software and a modem to connect to another Macintosh or an AppleTalk network—via telephone. In seconds, you'll have access to all your network resources.

Once your Macintosh is on an AppleTalk network, you'll be able to print documents to the network's printers, send and receive electronic mail, and share files with other Macintosh users. And because the network resources appear as familiar graphic icons on your own screen, using them is as simple as pointing and clicking. E2149

AppleShare
AppleShare file and print service software sets the standard for networking flexibility and ease of use. Whether you're networking a small business or a classroom, a global enterprise or a laboratory, AppleShare can meet your needs precisely. All AppleShare versions provide full-featured security, shared file storage for an entire workgroup, and queued access to up to five network printers. And all versions provide cross-platform support, giving MS-DOS or Windows user transparent access to AppleShare file and print services. AppleShare 3.0 supports up to 15 active users and 120 concurrent log-ons. AppleShare 4.0 supports up to 30 active users and 150 concurrent log-ons. AppleShare Pro, for the Apple Workgroup Server 95, supports up to 50 active users and 200 concurrent log-ons.

AppleTalk Connection for Macintosh
The AppleTalk Connection package provides industry-standard SNMP network management support for AppleTalk plus the most current version of AppleTalk software. The administration package adds the software and documentation necessary to configure and manage AppleTalk Connection software on a network of Macintosh computers.

E1779 AppleTalk Connection for Macintosh Single-User Package $39
E1780 AppleTalk Connection for Macintosh 20-User License Extension* $199
E1781 AppleTalk Administration for Macintosh $199

*Requires purchase of AppleTalk Connection for Macintosh Package.

Farallon Timbuktu
Timbuktu software is the easiest way to network Macintosh and Windows computers. It lets you share printers, exchange files, and even control another Timbuktu-equipped Macintosh or IBM-compatible computer over any AppleTalk network. So workgroups can work together easily, no matter which personal computers they use. Timbuktu is compatible with remote dial-up applications such as AppleTalk Remote Access (above), and features full-color screen sharing and password protection.

E1646 Timbuktu for Macintosh 5.0 $129
E1746 Timbuktu for Windows 1.0 $129

LANsurveyor
Is your network terra incognita? LANsurveyor automatically draws a map of an AppleTalk network on your Macintosh screen. The LANsurveyor map can then be used as the interface to perform several important management tasks. Graphically document the network, use LANsurveyor's real-time troubleshooting capabilities, and deploy SNMP to profile and monitor network devices. You can even launch other management software from the map. An ideal companion for AppleTalk Connection for Macintosh (below left), LANsurveyor is available in two versions, depending on the number of zones in your network.

E2084 5-Zone Version $39
E2085 Unlimited Version $69

LANsurveyor automatically draws a map of an AppleTalk network on your Macintosh screen—providing a helpful visual reference and allowing you to perform important network management tasks.

AppleShare
AppleShare file and print service software sets the standard for networking flexibility and ease of use. Whether you're networking a small business or a classroom, a global enterprise or a laboratory, AppleShare can meet your needs precisely. All AppleShare versions provide full-featured security, shared file storage for an entire workgroup, and queued access to up to five network printers. And all versions provide cross-platform support, giving MS-DOS or Windows users transparent access to AppleShare file and print services. AppleShare 3.0 supports up to 15 active users and 120 concurrent log-ons. AppleShare 4.0 supports up to 30 active users and 150 concurrent log-ons. AppleShare Pro, for the Apple Workgroup Server 95, supports up to 50 active users and 200 concurrent log-ons.

AppleTalk Connection for Macintosh
The AppleTalk Connection package provides industry-standard SNMP network management support for AppleTalk plus the most current version of AppleTalk software. The administration package adds the software and documentation necessary to configure and manage AppleTalk Connection software on a network of Macintosh computers.

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E1781 AppleTalk Administration for Macintosh $199

*Requires purchase of AppleTalk Connection for Macintosh Package.
New. AppleSearch.

AppleSearch software offers a powerful yet easy way for Macintosh users to access information from documents, on-line news feeds, and CD-ROMs on a server by providing full text search and retrieval. Client users can gain quick access to information on a selected topic, or they can let AppleSearch act as a personal agent that periodically updates information. Because AppleSearch processes natural-language search queries, users can find information as easily as if they had a personal research librarian.

**AppleWatch Client** runs on any Macintosh with an internal hard disk and at least 4 megabytes of memory.

### Ethernet Networks

As your company grows, you may want to move up to a higher-performance network system such as Ethernet. Ethernet networks run at 10 megabits per second and can be found in businesses of all sizes — so we make Ethernet connections for nearly every Macintosh. Ethernet capability, including hardware and software, is built into many Macintosh Quadra computers, and the LaserWriter Pro 630 printer. Apple also offers two interface cards that provide Ethernet connections to other Macintosh computers.

#### $349 Apple Ethernet NB Card

This card lets you connect any Macintosh II computer to IEEE 802.3 Ethernet networks. You have the choice of using AppleTalk (Phase 2), TCP/IP, or DECnet protocols, so you can communicate in multi-vendor environments. Includes EtherTalk software for easy access to network services. Requires a Macintosh with one available NuBus slot and an Ethernet transceiver (above right). Requires NuBus Adapter Card when used with Macintosh II, IIci, Centris 610, or Macintosh Quadra 610 computers. E1245

Call for Ethernet NB Card bundle pricing.

#### $165 Apple Ethernet LC Card

This card lets you connect any Macintosh Color Classic, LC, LC II, or LC III to any Ethernet network. Includes EtherTalk software. Choose the appropriate adapter (below) or transceiver (above right) for your network. E1247

#### $99 Apple Ethernet AUI Adapter

This adapter adds an IEEE 802.3 attachment unit interface (AUI) to either Apple Ethernet card (above), and can connect to external transceivers for fiber-optic, thick coaxial, and other Ethernet media. E1250

### Token Ring Networks

Developed by IBM, Token Ring networks often serve a mixture of personal, mini-, and mainframe computers. Software drivers and hardware for Token Ring networks are available for Macintosh computers with NuBus slots.

#### $909 Apple Token Ring 4/16 NB Card

Designed for 100 percent IBM compatibility through the use of the IBM Token Ring chip set, this card connects Macintosh computers to Token Ring networks operating at moderate or high speeds: either 4 or 16 megabits per second. TokenTalk software is included. For use on Macintosh computers with NuBus slots. (Not shown.) E1041

Macintosh Coprocessor Platform Memory Expansion Kit adds 1 megabyte of RAM to this card or the Apple Ethernet NB Card for improved performance. Installs easily. E1648 $159

### Ethernet Cable Kits

Use either of these self-terminating Ethernet cables to connect Apple Ethernet Thin Coax Transceivers or other devices in a thin coax network.

- E1038 Ethernet 5-meter Thin Coax Cable $39
- E1253 Ethernet 13-meter Thin Coax Plenum Cable $79

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DAL Server for A/UX and Apple Workgroup Server 95 is a networking software product—a “middleware” solution—that provides access to databases on A/UX host systems. Running on an A/UX host computer, the DAL Server works cooperatively with Macintosh or Windows applications, giving you access to data residing in Oracle and Informix databases. E2094 $995

DAL Client for Macintosh is the client component of a client/server connectivity solution that gives the end user easy access to many types of hosts and DBMSs, through familiar desktop applications.

E2086 Single-User License $149
E2093 10-User License $1,043

$300 VITAL Guides
VITAL (Virtually Integrated Technical Architecture Lifecycle) is a six-volume set of guides that help you integrate incompatible systems and applications, and incorporate the power of desktop technology into enterprise systems. The guides include detailed information on Desktop Integration, Data Capture, Data Access, Repository, and Systems Infrastructure. (Not shown.) E1883

TCP/IP Connection for Macintosh
The TCP/IP Connection software package provides the most current version of MacTCP® plus industry-standard SNMP network management support. The TCP/IP Administration package adds the software and documentation necessary to configure and manage the TCP/IP Connection software on a network of Macintosh computers.

E1785 TCP/IP Connection for Macintosh Single-User Package $59
E1786 TCP/IP Connection for Macintosh 20-User License Extension® $69
E1787 TCP/IP Administration for Macintosh $199
*Requires purchase of TCP/IP Connection for Macintosh Package.

IBM Workstation One
Workstation One software enables a Macintosh or Windows computer on an Ethernet or Token Ring local area network to work smoothly with network host computers. Via a consistent interface, it provides both text and graphical emulators for connection to IBM 370 and DEC® hosts using TCP/IP protocols—without burdensome log-on tasks. Then it lets you easily host applications, transfer data, and share and protect files on your local network server.

E1647 5 Licenses $4,200
E1816 10 Licenses $8,500

Workstation One for Macintosh
works with any Macintosh SE or newer computer running system software version 6.0.5 or later.

E1817 5 Licenses $4,200
E1818 10 Licenses $8,500

Workstation One for Windows
works with any IBM-compatible computer running Windows 3.1 or later.

APPLE INTERNET ROUTER

$139 Farallon LocalPath
LocalPath software is the ideal solution when you need to link LocalTalk resources to an Ethernet or Token Ring network—within the expense of setting up a dedicated route. Just install this software on any Macintosh on the Ethernet or Token Ring network. You can then link to eight LocalTalk devices—printers, scanners, fax modems, other computers—to the network, just by plugging them into the LocalTalk port of the host Macintosh. E1644

$105 Farallon PowerPath
If you travel with a PowerBook computer and want to easily access the local Ethernet or Token Ring networks of your colleagues, clients, or customers—PowerPath software makes it easy and affordable. Install PowerPath on any networked Macintosh in minutes. Then plug your PowerBook (or any single LocalTalk device) into the host computer using the included connectors and extension cable. Now your PowerBook can access all the network's services, including printers, file servers, and mail servers. E1645

Apple Internet Router
With the Apple Internet Router Basic Connectivity Package you can easily increase the size, enhance the performance, and improve the management of your organization’s AppleTalk network. You can connect your local workgroups using industry-standard network types, including LocalTalk, Ethernet, and Token Ring. As your network grows larger, the Apple Internet Router lets you choose among several wide area options: You can link remote sites to your network through a dial-up connection over a standard modem, or you can add the Apple Internet Router Wide Area Extensions (sold separately) to link your AppleTalk networks using X.25 or TCP/IP protocols.

E1288 Apple Internet Router Basic Connectivity Package $49
E1783 AppleTalk/IP Wide Area Extension® $49
E1784 AppleTalk/X.25 Wide Area Extension® $71
*Requires Basic Connectivity Package.
Add a few hardware and software tools, and your Macintosh can speak fluently with other systems.

A/UX

When you need UNIX, you don’t need another computer. You need A/UX. A/UX is Apple’s implementation of the industry-standard UNIX® operating system. With A/UX, you get a UNIX opensystems solution and all the advantages of Macintosh. And A/UX dramatically expands the options on your desktop.

$795 A/UX 3.0.1 CD-ROM Product
With the A/UX software on this CD-ROM disc, you’ll get traditional UNIX features such as support for multitasking and multiple users. A/UX provides standard UNIX communications based on TCP/IP and AppleTalk protocols. There’s a range of programming options as well as UNIX and Macintosh text-editing capabilities. Your order also includes the A/UX Essential Manuals Set and Apple Assurance, which provides support to help you set up and begin to use A/UX.

E1300 A/UX 3.0.1 Manuals and Update

E1299 $159
A/UX Essential Manuals Set Available for separate purchase, this complete manual set is included with the A/UX 3.0.1 CD-ROM Product described above.

E1295 $329
A/UX Programming Manuals This set includes all the manuals you’ll need to develop applications for A/UX 3.0.1.

E1301 $250
A/UX Administration Manuals In this set you’ll find the manuals you’ll need to administer one or many A/UX 3.0.1 systems.

E1297 $285
A/UX 3.0.1 CD-ROM Product Update If you’re running an earlier version of A/UX, you can update to A/UX 3.0.1 with this CD-ROM disc. This update includes the complete A/UX Essential Manuals Set.

E1304 $4,950
MacX Version 1.2
The X Window System™ industry-standard protocol allows you to display graphics generated in many computer environments, including UNIX-based scientific and engineering applications. With the MacX™ display server, you can gain access to X client applications running on other networks. The MacX display server runs on either the Macintosh operating system or A/UX. If you have A/UX 2.0 or a later version, you already have MacX built into your A/UX software.

MacX Version 1.2 Update Updates earlier versions of MacX. Use this update with A/UX 3.0 and 3.0.1.

E1293 $49
MacX Manual Set For users who need additional manuals.

E1292 $85
Macintosh Open Communications Support

MacX25™ Server Software Kit Links your Macintosh to data networks supporting the standard X.25 communications protocol.

E1303 $599
MacX.400™ Server Software Kit Allows Macintosh to exchange electronic mail with non-Macintosh systems that use electronic mail applications based on the standard X.400 messaging protocols.

E1304 $4,950
MacODA™ With this software translator, you can convert Macintosh documents to and from the Open Document Architecture (ODA) standard.

E1305 $149
Also available: MacX.400 SD (single domain)

E1367 $2,950
SNA•ps Software

SNA (Systems Network Architecture) is IBM’s standard way of connecting a host mainframe computer to IBM 3270 terminals, personal computers, printers, and other elements of a network. Our SNA•ps™ (SNA protocols and services) software lets you make the Macintosh-to-mainframe connection easily.

SNA•ps 3270 provides a connection to an SNA network directly from any Macintosh with a NuBus expansion slot. Requires an Apple Serial NB Card or Apple coax/Twinax Card (below), or an Apple Token Ring 4/16 NB Card (page 51).

E1362 $279
SNA•ps 3270 GC provides mainframe access via your AppleTalk network without an expansion card in your desktop Macintosh. Requires an SNA•ps Gateway card (below) installed on your network.

E1299 $105
SNA•ps Gateways

With SNA•ps Gateway software and an intelligent NuBus card, you can configure a Macintosh as a gateway for 3270, 5250, or APPC communications to communicate with IBM computers running the VM, MVS, AS/400, or OS/2 operating systems. Choose from cards that support 10, 35, or 70 concurrent Macintosh-to-host communication sessions.

E1307 SNA•ps Gateway/10 $1,219
E1308 SNA•ps Gateway/35 $2,429
E1309 SNA•ps Gateway/70 $3,649

$1019 Apple Serial NB Card
You can connect your NuBus-equipped Macintosh computer to networks via a wide variety of industry-standard serial communications protocols. This card’s four serial ports support RS-232, RS-422, X.21, and V.35 communications at speeds of up to 64 kilobits per second. The card serves as an SDLC host connection for SNA•ps gateways or SNA•ps 3270 software. Requires an RS-232 or V.35 cable (see the Order Form).

E1052

$1019 Apple Coax/Twinax Card
Lets you connect any NuBus-equipped Macintosh computer to an IBM mainframe via coaxial cable. This card requires SNA•ps 3270 or compatible software to gain access to host sessions. The Coax/Twinax Card serves as a coax cluster controller for SNA•ps 3270 or SNA•ps gateways.

E1255

Macintosh Coprocessor Platform Memory Expansion Kit adds 1 megabyte of RAM to the Apple Serial NB Card or Coax/Twinax Card for improved performance. Installs easily.
Keyboards and cards, mice and

Get your hands on the add-ons you need—at the prices you’ve been looking for.

Keyboards

$185 Apple Adjustable Keyboard
With its ergonomic design, this innovative keyboard lets you work the way you feel most comfortable—an invaluable benefit for people who spend a great deal of time at the keyboard. Its main feature is the ability to split the left- and right-hand sections to any angle up to 30 degrees, to find the position that’s exactly right for you. Detachable palm rests provide a flat surface to support your hands, keeping your wrists in a relaxed, natural position.

$85 Apple Extended Keyboard II
The Apple Extended Keyboard II puts more functions and capabilities at your fingertips: 15 built-in function keys let you take advantage of applications that support function keys, and a numeric keypad speeds data entry for number-intensive applications. Standard arrow keys and six cursor-control keys let you move through a document without taking your hands off the keyboard. Dual-legend keycaps for some of the most common functions in the MS-DOS environment make the keyboard ideal for people switching from MS-DOS to Macintosh. This keyboard works with all Macintosh SE and newer models. E1000

$85 Apple Keyboard II
This comfortable keyboard for any Macintosh features a typewriter-style layout and a numeric keypad for fast data entry. Cursor-control keys allow you to work without taking your hands from the keyboard. Your Apple Keyboard II comes with Apple Desktop Bus cable and one-year limited warranty. E1020

$109 AppleMouse IIe
With the AppleMouse IIe you can select from menus, enter data, and design graphics in much the same way you would with a Macintosh. This mouse works with the Apple IIe computer (with enhanced ROMs). Comes with a Mouse Interface Card and MousePaint software. E1002

Mice

$75 Apple Desktop Bus Mouse II
Get ready to point, click, drag, and scroll with greater ease and comfort. This next-generation mouse features a sleek, rounded shape that fits the contours of your palm, and a larger button that makes clicking easy and dragging the on-screen cursor effortless. The tracking ball, now moved to the front of the mouse, makes it possible to use your fingertips, rather than your hand, to position the cursor. So you gain new control while doing precision work. Compatible with any Macintosh that has an Apple Desktop Bus port. E1502

$109 Kensington Turbo Mouse 4.0
Winner of 10 editorial and user awards for “best input device,” this latest version of the Turbo Mouse is better than ever. There’s no need to roll the entire device; just move the ultra-smooth trackball for pinpoint control. It’s especially useful for precision graphic work or navigating a large screen. Programmable buttons let you choose from seven commands to maximize mouse performance. And the included software lets you create and save different combinations of settings for different applications. E1325

E1327 Red Trackball $1
E1328 Blue Trackball $1
**Joysticks**

**$89 New. Gravis MouseStick II.**
The ultimate joystick for serious game players, the MouseStick's high-resolution optical technology offers ultra-smooth, nonpoint control. Its patented tension system offers eight handle-tension settings for everything from fast arcade games to precision flight simulators. And its included software lets you easily create custom settings for different games and players. A MacUser award winner.

**$40 New. Gravis Game Pad.**
This hand-held game controller is renowned for its versatility. Its thumb-operated controller pad substitutes for a mouse during "point and click" games. Or, if you're more comfortable using a joystick, simply screw in the removable joystick handle. Four programmable, color-coded fire buttons eliminate the need for keyboard commands, and even feature independently adjustable turbo-fire for when the action gets really hot. Switchable for left- or right-handed users. Includes software for custom game settings.

**$55 Apple Joystick II**
If you like to play games on your Apple IIe or IIgs, you'll enjoy them even more with the Apple Joystick II. Just plug it into the game port of your computer. It also connects to the cable on the Apple IIe Card you've added to your Macintosh LC, LC II, LC III, or Color Classic.

**Expansion Cards**

**Expansion Cards for Macintosh**

**Macintosh IIsi NuBus Adapter Card** lets you add high-performance NuBus expansion cards, and its Motorola 68882 floating-point math coprocessor can speed up sophisticated graphics, spreadsheet, and database applications. E1045 $199

**Macintosh IICi Cache Card** increases your Macintosh IICi computer's performance by 20 to 30 percent. E1053 $319

**Apple Ile Card for Macintosh** lets you run the thousands of Apple II programs—one of the largest software libraries in the world—right on your Macintosh LC, LC II, LC III, or Color Classic computer. E1043 $145

**Expansion Cards for Apple II**

**Apple II High-Speed SCSI Card** connects your Apple IIe or IIgs computer to any SCSI devices, such as external hard disks or CD-ROM drives. E1049 $105

**Extended 80-Column Text Card (Ile)** doubles your Apple Ile computer's display to 80 characters per line and expands it to 128K of memory. E1050 $79

**Super Serial Card** lets you connect serial devices to your Apple II, II Plus, or Ile computer. E1048 $109

**Apple Ile Memory Expansion Card** adds 256K of RAM (expandable to 1 megabyte) to your Apple II, II Plus, or Ile computer, allowing it to run more sophisticated applications and create larger files. E1046 $179

**Apple II SuperDrive Controller Card** lets you use an Apple SuperDrive (below) with your Apple IIe or IIgs computer.

**$329 Apple SuperDrive**
This external floppy disk drive allows your Macintosh to format, read from, and write to Apple 400K, 800K, and 1.4MB disks. And with Macintosh PC Exchange (page 34), you can do the same with MS-DOS or OS 2.720K and 1.4MB 3.5-inch disks. It works with all Macintosh models that currently support 1.4MB disks and have a DB-19 external floppy disk drive port; and with Apple IIe and IIgs computers equipped with a controller card (above).

**$259 Apple 5.25 Drive**
This drive accepts 5.25-inch floppy disks, the standard medium for thousands of time-honored Apple II programs. It plugs into the disk drive port of the Apple Ile Card for Macintosh (described above). It also works with Apple II, II Plus, IIC Plus, and IIgs computers.

**Comfort Accessories**

**$39 Copyholder**
Two problems with most copyholders are that they use magnets, which wreak havoc on floppy disks, and they take up valuable desk space. So our copyholder has a clip instead of a magnet, and its base slides under either side of your computer. It has a transparent guide bar and an adjustable arm that lets you position your copy right where you want it. The platinum color matches Macintosh and Apple II computers.

**$25 New. Apple Comfort Kits.**
Improve your productivity and reduce fatigue with this ergonomic trio. The wrist rest provides ideal support while you're typing, dispersing impact and keeping your hands in a natural position. The circular mouse pad provides an optimal work area in minimal space, while its soft corners help eliminate wrist irritation. The mouse cover maintains constant metatarsal elevation and offers an exceedingly soft touch. Choose from three colors.

**Kit for Computers with Apple Desktop Bus Mouse**
E2004 Specify red, green, or blue.

**Kit for Computers with Apple Desktop Bus Mouse II**
E2164 Specify red, green, or blue.

**Drives**

**$85 Apple II Memory Expansion Card**
This drive accepts 1.25-inch floppy disks, the standard medium for thousands of time-honored Apple II programs. It plugs into the disk drive port of the Apple IIe Card for Macintosh (described above). It also works with Apple II, II Plus, IIC Plus, and IIgs computers.

**Order Toll-Free 1-800-795-1000**
Call 24 hours a day, 7 days a week. Dial toll-free 1-800-755-0601 for TDD.
Preserve and protect.
Keep your computer and data safe—from dust and grime, outlaws, and power outages.

**New. CD3 Compact Disc Storage System.**
Neatly store and quickly retrieve up to 40 CD-ROM titles in this compact, portable caddy. To access a specific CD, simply align the sliding indicator with the desired title and lift the dustproof lid. The CD you've selected is automatically presented to you, so you can easily remove it without touching the delicate surface. Close the lid, and you can safely carry the caddy anywhere.

$29 **New. Apple Disk Kits.**
Store, label, and transport your data with ease and safety. The Apple Disk Kit includes 10 premium-quality 3.5-inch disks, designed to Apple's own rigorous quality-control standards; a 10-pocket padded nylon disk wallet for storage and travel; and a pack of 50 adhesive disk labels.

<table>
<thead>
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<td>E2163</td>
<td>Kit with Double-Sided Disks</td>
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<tr>
<td>E2254</td>
<td>Kit with High-Density Disks</td>
<td>$30</td>
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</table>

**$25 Disk Carousels.**
Find your disks in one quick spin with this indexed carousel, which stores up to 80 3.5-inch disks. You can even stack two or more carousels on your desk. Specify platinum gray or black.

$49 **Wood Disk Box.**
The world's smallest filing cabinet. An elegant place to store your 3.5-inch disks; this box keeps 100 of them safe from coffee spills and dust. Complete with removable wooden dividers to make filing and finding easy.

**New. Read/Right Cleaning Kits.**
Keep your hardware running clean and smooth with these effective, easy-to-use cleaning kits.

$26 **Computer Care Kit.**
Includes all the sprays, disks, and swabs you need to keep drives (both 3.5- and 5.25-inch), displays, and keyboards working at peak performance.

$45 **CD-ROM Care Kit.**
Includes both a lens cleaner and a disc cleaner to data retrieval and eliminate errors caused by surface contamination on CD-ROM drives and discs.

**PathKleen.**
Feed a sheet through your laser printer's paper path, and it removes unwanted particles, eliminates toner marks, produces cleaner output, and reduces the need for printer maintenance. Also works with fax machines. 10-sheet pack.

**MacAttire Dust Covers.**
Here's a simple and affordable way to safeguard your computer and printer from destructive dust. Made of tough, rip-stop nylon covered with protective Americoat, MacAttire dust covers are water-resistant, flame-retardant, and antistatic. Each is custom-tailored to neatly fit one of the following configurations:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1699</td>
<td>Macintosh IIsi with 14-inch color display</td>
<td>$22</td>
</tr>
<tr>
<td>E1776</td>
<td>PowerBook Duo Dock</td>
<td>$22</td>
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<td>E1846</td>
<td>Macintosh Color Classic</td>
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<td>E1698</td>
<td>Macintosh Classic II</td>
<td>$22</td>
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<td>E1701</td>
<td>StyleWriter II Printer</td>
<td>$22</td>
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<tr>
<td>E1702</td>
<td>Personal LaserWriter LS or NTR</td>
<td>$22</td>
</tr>
</tbody>
</table>

Call us for information on the availability of dust covers not listed here.
$54  **Kensington Power Tree 50**
This Kensington outlet strip protects your Macintosh and five other devices from power surges, dips, and line noise, while protecting your modem or fax machine from phone line surges. Its six power outlets are controlled by one master switch. Its 9-foot power cord plugs into any standard outlet.

$49  **Kensington PassProof**
PassProof is a hardware and software protection system that includes one floppy-disk-drive lock, plates for your computer's floppy-disk-drive and SCSI port, and tamper-proof screws. Software includes password protection, screen locking, and a user log that maintains a list of attempts to use your computer.

$89  **Kensington MasterPiece Compact**
Plug up to four devices—computer, printer, fax machine, modem—into MasterPiece Compact, and you have centralized, one-touch power control over each part of your system, plus a master on/off switch to control everything at once. MasterPiece Compact also provides surge suppression, noise filtering, and antistatic protection—backed by the manufacturer's 5-year, $20,000 equipment protection policy.

$63  **Kensington System Savers**
The System Saver attaches to the top of your Macintosh 128K, 512K, Plus, SE, or SE/30, or Apple IIgs and protects it from power surges while keeping it running cooler. Its quiet, built-in fan draws fresh air through your computer's ventilation slots, and its surge-suppression circuitry provides safe electrical power.

**Kensington Power Backer Plus**
Power interruptions destroy data. And power surges can damage circuitry. Power Backer Plus provides continuous surge protection, and, if your computer ever loses power, automatically supplies backup power for up to 45 minutes—enough time to save your work and shut down until the problem is solved. Call us for advice on choosing the model that meets your needs.

**Kensington Security Systems**
Protect your computer and printer from thieves. Made of rugged galvanized steel, these tamper-resistant cable and locking devices install easily.

**Desktop Computer Security Kit** guards your computer, monitor, keyboard, printer, and other peripherals by using your computer's built-in security slot.

**MicroSaver Security System** leashes your PowerBook or PowerBook Duo to any immovable object, in an office, hotel room, convention center—anywhere. At just 5.5 ounces, it travels easily.

**Order Toll-Free 1-800-795-1000**
24 hours a day, 7 days a week
Dial toll-free 1-800-755-0601 for TDD.
The Apple Store
Ideas to brighten your wardrobe, outfit your office, and accessorize your desk.

$25 New. Apple Wall Clock.
When both hands hit the Apple, it's time for lunch. This clock's neutral colors make it ideal for your office—whether it's downtown or in your home. Its 10-inch diameter makes it easily readable. Components made in U.S.A. Quartz movement. E2055

$99 Macintosh Carry Bags
If you have to take work home from the office, you'll want to take your Macintosh as well. Made of sturdy, water-resistant, heavy-duty nylon, these bags are especially designed for your compact Macintosh and its essentials. Padded interior pockets neatly hold your computer, standard Apple keyboard, mouse, and external drive or modem. An outside zippered pocket holds manuals, papers, and other documents. Built to last, the bags have heavy-duty zippers, reinforced leather handles, and a padded, adjustable shoulder strap.

E1087 Bag for Black-and-White Compact Macintosh $99
E1687 Bag for Macintosh Color Classic $99

$35 New. Apple Turtlenecks.
Our top-quality turtlenecks are crafted of 100 percent long-staple cotton. Each has double-needle tailoring in the shoulder, hemmed waist, rolled neck, and ribbed sleeves. Machine washable, made in U.S.A., and embroidered with the striking six-color Apple logo. Adult sizes S–XL. Please specify black or white. E2118

$16 Auto Mouse
Snap it over your Macintosh mouse, and Auto Mouse transforms that scurrying gray creature into a smooth-cruising Corvette. Each car is individually hand finished and polished in red and black. This vintage Chevy will drive you to new heights of productivity—just click the hood and go. (Fits Apple Desktop Bus Mouse only.) Red E1438 Black E1489

Classic and comfortable, these mock turtles are made of 100 percent preshrunk heavyweight cotton with Lycra neck and cuffs. Affordable, durable, and machine washable, they make a versatile addition to any wardrobe. Adult sizes S–XL. Please specify black or white. E2115

Adult sizes: S (34–36), M (38–40), L (42–44), XL (46–48), XXL (50–52)

$35 Apple Truck
With doors that open, a detachable trailer—and a very recognizable six-color logo on both sides—our 19-inch metal truck delivers hours of fun to any desktop or playroom. E1656

$35 new. Anvil Mock Turtlenecks.
$24 Apple Sweatshirt
A great gift for an Apple nut, the Apple cotton-blend sweatshirt comes with a silk-screened six-color Apple logo. In white or black. Adult sizes S-XXL.
E1070 White  E1071 Black

$24 Apple Sweatpants
Formal attire for the serious hacker. Our cotton-blend, fleece-lined sweatpants have a drawstring waist, elastic at the ankles, and the word "Apple" silk-screened on the right hip. In black or white with colored letters that match those of the Apple Sweatshirt.
Adult sizes S-XL. Please specify black or white. E1072

$33 Set of Six Apple Mugs
These large ceramic coffee mugs hold 12 ounces of coffee, tea, or whatever you drink when you sit at your computer. Six-color Apple logo. Dishwasher safe. E1497

New Gear "Extreme" Jacket.
Wear this versatile, reversible garment in any of four ways—its double-layer design changes instantly from a heavy, insulated coat to a lightweight jacket. A hood is concealed in the collar, and an elastic fastener on the inner sleeve holds the insulated lining in place.
Front pockets have bellows for extra room.
Adult sizes S-XXL. Black and azure blue (left). E2111

$199 New Gear "Columbus" Jacket.
Weather any storm with this attractive jacket of functional design and rugged construction. The waterproof outer shell and polar fleece lining create the perfect combination for a warm, comfortable fit. Stand-up collar, adjustable elastic cuffs, and windflap ensure maximum protection from the elements.
Adult sizes S-XXL. Blue/black/plum (right). E2112

Order Toll-Free 1-800-795-1000
24 hours a day, 7 days a week.
Dial toll-free 1-800-755-0601 for TDD.
Apple sports pages
Stay cool—play hard in our soft wearables.

$29 Apple Polo Shirt
These heavyweight, 100 percent brushed-cotton polo shirts are perfect for the courts or the club. With knit ribbing in collar and sleeves and an embroidered Apple logo. In black, white, royal blue, and white with rainbow collar. Adult sizes S–XXL. E1075

$39 Apple Watch
The simple lines of this wristwatch look great on a woman or a man, with a business suit or a T-shirt and jeans. The watch is water-resistant and has a quartz movement. One-year limited warranty. E1078

$29 Apple Recreation Bag
Take it to the gym. Or the beach. Or an impromptu picnic in the park. This versatile recreation bag goes anywhere—and totes anything—you can imagine. Made of durable, waterproof, 400-denier nylon, it zips shut and carries easily by its web handles or adjustable shoulder strap. E1678
$35 Apple Golf Umbrella

This huge but lightweight golf umbrella is ample enough to protect an entire foursome from unexpected showers or high-noon sun. Made of tough, 100 percent nylon, it has a 58-inch arc and seven-panel, double-rib construction. The shaft is heavy-duty fiberglass with a comfortable wood handle.

$15

New Apple T-Shirts.

Our latest T-shirt designs keep Apple enthusiasts comfortably clad. The Apple T-shirt sports a rainbow logo on black. The PowerBook T-shirt emphasizes our notebook's go-anywhere ethic. The Newton T-shirt proclaims the next revolution in portable digital intelligence. All come in 100 percent preshrunk cotton. Adult sizes: S-M-L-XL-XXL. Please specify sizes (see chart below) when ordering.

<table>
<thead>
<tr>
<th>T-Shirt</th>
<th>Size</th>
<th>Price</th>
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<tbody>
<tr>
<td>Newton T-Shirt</td>
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<td>$15</td>
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<tr>
<td>PowerBook T-Shirt</td>
<td>S-M-L-XL-XXL</td>
<td>$15</td>
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$40 Piqué-Knit Sport Shirt

Made of comfortable piqué-knit cotton, the Apple sport shirt is perfect for the courts or the club. The durable white fabric is accented with contrasting collar and cuffs—and, of course, a simple but distinctive embroidered logo. Adult sizes S-XXL.

$35 Apple Golf Balls Twelve-Pack

Whether they're perched on the fairway or lying in the rough, our logo makes these balls stand out from the crowd. Titleist 90 compression balls with solid rubber center, high-energy thread, and cut-resistant cover deliver outstanding distance and control. One dozen per pack.

FREE GIFT!

Get free ClickArt—a $24.95 value—with your order of $150 or more. Details on the Order Form Envelope. Offer good through December 31, 1993.
Executive style

Travel companions and timekeepers make great gifts for colleagues, family, friends—or yourself.

**$35 New. Swivel Desk Clock.**

This lustrous black clock tilts up or down with a touch, for an at-a-glance view from any perspective. Made of sturdy ABS plastic, it’s a distinctive addition to any desktop. One-year warranty. Required AA battery is included. E2060

**$249 Leather PowerBook Valise**

PowerBook users always travel first class with this well-made leather valise, designed to hold virtually everything in very little space. Padded with an inch of shock-absorbing foam, it neatly protects your PowerBook and its accessories, even a cellular phone. A separate zip-down organizer stows all your travel needs, both business and personal—from passports to pens, credit cards to currency. And its ample document portfolio expands accordion-style to include three legal-size file sections. Crafted of glove-soft, top-grain leather, it zips shut to a slim 5 inches thick, carries comfortably, and comes with a lifetime manufacturer’s guarantee. E1706

**$199 New. Kensington Executive Case.**

Designed to withstand the rigors of a heavy travel schedule, this water-resistant nylon case organizes and protects all your portable computing gear—and doubles as a briefcase, as well. Its internal three-compartment system includes a well-padded PowerBook compartment, a second padded compartment with elastic straps (ideal for a Portable StyleWriter printer), and a separate accordion-style file storage compartment. Two outer 11-by-14-inch pockets and a multitude of utility pouches hold a variety of accessories—from power adapters to extra batteries, business cards to floppy disks. A sturdy internal PVC frame and high-density foam padding protect everything inside from inevitable jostles and bumps, while a contoured shoulder strap keeps you comfortable. Lifetime manufacturer’s warranty. E2132

**$75 New. Titanium Quartz Watch.**

With its dark, gold-accented face, titanium gray case, and durable metal band, this watch adds simple elegance to any man’s wardrobe. Its high-accuracy quartz movement is powered by a long-lasting silver oxide battery. Shock- and scratch-resistant, and backed by a 5-year warranty. E2045

**$20 Apple Folding Umbrella**

For those times when it may be inefficient to let a smile be your umbrella, we recommend this elegant folding model. Made of rugged nylon, its 43-inch arc provides an ample shield against the rain; and there’s even room under it for a close friend. It pops open with a touch, and folds to a compact package that slips neatly into its matching nylon sleeve. Gold Apple logo on handle. E1686

**$1683 Black Matte $25**

E1682 Gold $35

**Apple Cross Pens**

Slim, deftly designed, and a pleasure to use, a Cross ballpoint pen always makes a great gift for a colleague, a loved one—or yourself. Ours are anointed with a tiny Apple logo, gift boxed, and backed by the manufacturer’s lifetime guarantee. Choose from two finishes.

**$199 New. Kensington Executive Case.**

Stows a remarkable amount of gear in a surprisingly compact space.

**$20 Apple Folding Umbrella**

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What's your name?

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<tr>
<td>City</td>
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<tr>
<td>Occupation</td>
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</table>

Please mail the completed form to:
Apple Computer, Inc.
20525 Mariani Avenue, M/S 2AC1
Cupertino, CA 95014

Worldwide Disability Solutions Group

We hear from these individuals every day. From all over the world. They tell us how Macintosh is increasing their independence. Adding inches to their self-esteem. They describe how they’re participating more fully in mainstream society. How they’re able to express themselves more loudly, more clearly. In words. In pictures. In music. Their way. Not anyone else’s way.

These solutions, of course, aren’t for everyone. But if they’re of interest to you, or to someone you know, please send us the information above. We want to be sure you’re kept informed about the technologies of independence. And we can only do that if you tell us your name.

We don’t mean to pry. We just want to make sure that we know who you are. Especially if you have an interest in the following 3 pages. Special solutions for children and adults with disabilities. Since 1985, Apple’s Worldwide Disability Solutions Group has worked closely with a number of companies to ensure that Macintosh is accessible to individuals with disabilities.
Dedication of Independence

"It's great to hear professional insights, but the fact is, you make up your own rules as you go along. From the time I was two or three, I've done my own thing. And the doctors just watch me and say, 'Okay, go ahead.'"

Being born with muscular dystrophy has never stopped Jennifer Laurence from dreaming big dreams. Inspired by two elementary school teachers, she longed to become a teacher herself. Several of the world's most respected experts told her that it was an "unrealistic" goal. Yet with the help of her Macintosh, she recently earned a Bachelor of Education degree while student-teaching special-education classes at Corona del Sol High School in Tempe, Arizona.

Because she has limited use of her fingers, Jennifer employs an on-screen keyboard to do research, post grades, and write papers, reports, lesson plans, and evaluations. In the classroom, the Macintosh display, projected onto an overhead screen, becomes her electronic chalkboard.

"Best of all," writes Jennifer, "I'm sharing with my students the miracles the Macintosh has worked in my life. Many of my learning-disabled and emotionally handicapped students have also been told they don't 'have what it takes' to compete in the real world. But I'm showing them what a good friend the computer can be—how it can fill in the gaps where they have limitations, and let them bloom where they are strong."

Jennifer Laurence
Special education teacher

For Learning Disabilities

Using artificial intelligence, Co:Writer adapts to a user's style as he or she writes.

$290 Don Johnston
Developmental Equipment Co:Writer

Co:Writer, the intelligent word prediction program, is a useful tool for anyone who struggles with writing due to learning disabilities, language deficiencies, or physical limitations. Working with any Macintosh word processor, it employs artificial intelligence to help predict and complete the words a writer wants to write—and adapts to a user's style as he or she writes. Co:Writer helps with grammar, spelling, and subject-verb agreement; and automates routine chores like capitalization and spacing. The result is a reduction in keystrokes and energy exerted, and the building of self-expression, confidence, and creativity. Requires a Macintosh computer, 4 megabytes of RAM, and system software version 6.0.7 or later. E1378
For Physical Disabilities

$675 Don Johnston

Developmental Equipment

Kemx On:Board

The PowerBook computer's keys and trackball are powerless if you have limited finger control. Kemx On:Board is a full-featured membrane keyboard that elegantly solves the problem. You lose none of the computer's capabilities—yet the keyboard's compact design slips neatly over your PowerBook, and together they fit easily on a wheelchair tray.

Kemx On:Board provides complete keyboard and mouse emulation. The surface reacts to touch instead of pressure, and is adjustable for a light or heavy hand. Extra keyboard overlays let you change the keyboard's function to suit different applications. Or design your own keyboard layouts with the included software. There's even a programmable speech option for all keys, so you can listen to check your keystroke accuracy. E1377

$265 Canyon Converter

Use your wheelchair battery to power your PowerBook. The converter connects to most 12-volt wheelchair batteries, and mounts easily with included velcro strips. E1379

$335 Edmark TouchWindow

Especially helpful for users with limited motor abilities and cognitive disabilities, TouchWindow mounts easily over your existing display, enabling your Macintosh to respond directly to touch instead of mouse commands. Software included. Plugs into any Macintosh SE or newer computer. E1372

$365 Madenta Communications

ScreenDoors

When using a conventional keyboard is out of the question, ScreenDoors software puts a keyboard on the screen—and lets you use it via any point-and-click device from a mouse to a head pointer. A built-in word predictor learns your vocabulary as you type, then completes words based on the first few entered letters—increasing the speed and accuracy of text input. Works with any application, and includes several different keyboard layouts. Requires 2 megabytes of RAM and system software version 6.0.3 or later with MultiFinder. E1389

ScreenDoors Lite offers all the same benefits, but without the word prediction features. E1390 $125

Prentke Romich HeadMaster

HeadMaster is an alternative to the mouse for those who are unable to use their hands but have good head and mouth control. You simply turn and puff instead of pointing and clicking. Cable included. A keyboard emulator such as ScreenDoors (below left) is required.

HeadMaster-ADB for all Macintosh II, LC, SE, Classic, Macintosh Centris, and Macintosh Quadra computers. E1392 $1,195

HeadMaster for Macintosh Plus and 512K computers. E1388 $990

Remote HeadMaster uses a wireless infrared link, so you can roam freely without a cable. Works with any Macintosh at distances of up to 12 feet. Allow one week for delivery. E1387 $1,780

$395 IntelliTools IntelliKeys

This alternative keyboard is a breakthrough in compatibility, versatility, and ease of use. IntelliKeys plugs into the keyboard port of any Macintosh, with no need for a costly additional interface. It works with all your existing software. But its most important feature is its ability to rapidly change its face to suit a range of adaptive needs.

To reconfigure IntelliKeys, just slide in any of its six included overlays. Each has a barcode in back that the keyboard recognizes instantly—so you're up and running in seconds. Use the Arrows Overlay for mouse emulation with a maximum target area. The Alphabet and Numbers overlays ease text- and math-based input. The Basic Writing and QWERTY overlays enable people to work more freely with word processors. The Setup Overlay instantly enables special IntelliKeys functions. The result is a flexible tool for people with a wide range of disabilities—physical, visual, or cognitive. IntelliKeys is also extremely useful for early childhood education, and for people who are learning English as a second language. First Prize winner in the 1992 Johns Hopkins National Search for Computing to Assist Persons with Disabilities. D1540

IntelliKeys Overlay Maker. Create custom overlays with this drawing program. Customize your IntelliKeys keyboard for different users, software, or activities; or design unique overlays for communication and curriculum uses. E1542 $69

For Speech Disabilities

$299 Mayer-Johnson

Speaking Dynamically

This talkative software lets you link spoken words, phrases, and sentences to a "communication board" of graphic or textual symbols; speech is heard when the pictures are clicked. Each "talking picture" board is your own design; up to 200 boards can be created and linked together in hierarchies. E1371

BoardMaker. This software provides over 3,000 resizeable "picture communication symbols" to be used with Speaking Dynamically (above). E1265 $399
Disability solutions

For Visual Disabilities

**$495 Duxbury Braille Translator**
Translating text to Braille—or vice versa—is easy and affordable with this program, created by the leading software vendor for Braille printing houses around the world. It reads documents from virtually any Macintosh word processor, offers a range of formatting options, and produces output that is fully compatible with the VersaPoint Braille embosser (see below). Ideal for teachers, employers, publishers—anyone who wants to communicate with Braille readers. Comes with full instructions in Braille, and on disk. E1375

**$99 Duxbury Braille Font for Adobe Type Manager**
Designers who create informational graphics for the public will appreciate having this font in their library—especially since the Americans with Disabilities Act mandated the inclusion of Braille in signs. Designed to be used with the Duxbury Braille Translator (above), this font is compatible with any program—including Aldus PageMaker and QuarkXPress—that uses Adobe Type Manager or Type 1 fonts. Requires system software version 6.0.7 or later. E1374

**$3,795 TeleSensory VersaPoint Braille Embosser**
The VersaPoint Braille embosser brings true desktop publishing power to creators of Braille documents. Offering plug-and-use simplicity with any Macintosh, VersaPoint embosses Braille dots that are high, consistent, and easy to read. It produces both six-dot and eight-dot Braille for a range of math, science, and business applications, on a variety of paper stocks. Requires Braille translation software such as Duxbury Braille Translator (above). Allow one week for delivery. E1391

Our Commitment

When Apple first trumpeted its philosophy of “One person, one computer,” we were well aware that there were some people who couldn’t see our advertising.

Or, for that matter, hear our trumpets.
Which is why we’ve always been committed to providing easy access to people with disabilities—so they, too, can enjoy the power to be their best.

That commitment is reflected in the fundamental design of Macintosh hardware and software, which offers features like a built-in screen magnifier, enhanced audio feedback, and alternate ways to use a keyboard and a mouse.

It’s reflected in our toll-free TDD number (1-800-TDD-MAC3) to provide deaf and hearing-impaired users with direct access to our Customer Assistance Center.

It’s reflected in Macintosh Disability Resources—a valuable collection of information available free to anyone who requests it (call 1-800-795-1000 for voice; 1-800-755-0601 for TDD).

It’s also reflected in the products on these pages in The Apple Catalog.

Today, Apple and its industry partners can provide an impressive range of solutions to children and adults with disabilities, To the point, for example, that even those who are able to move only their heads can use a Macintosh their way, for their purposes.

Whatever those purposes may be.

Order Toll-Free 1-800-795-1000
Call 24 hours a day, 7 days a week.
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66 The Apple Catalog
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