

Apple news

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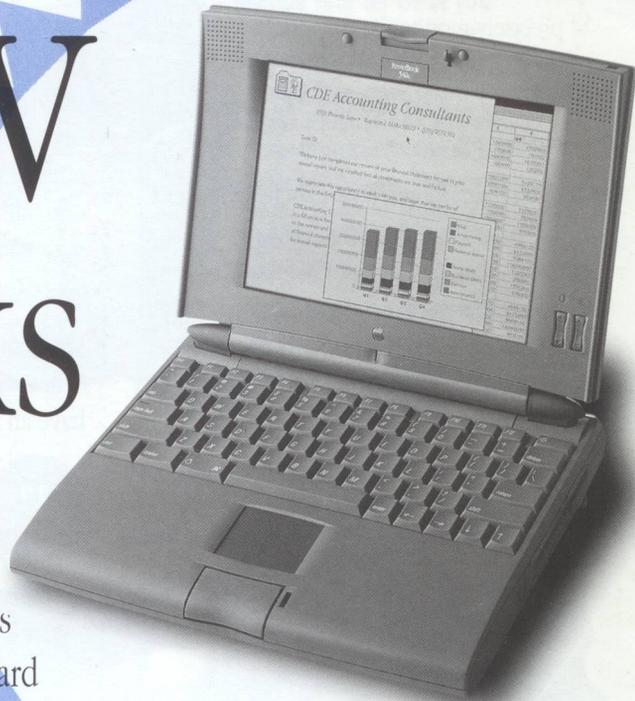
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The new PowerBooks



From the day Apple introduced the original PowerBooks they've been winning awards for their innovation. The latest models are no exception. Almost as soon as they were launched they won the prestigious "Best of Show" award at Comdex, the largest computer show in the US, just a few weeks ago.



While we've been steadily upgrading their power and capabilities since we launched the original PowerBooks in 1991, with the new PowerBook 500 series we started from scratch. We took everything we knew, added everything we've learned from our

customers and applied every new technology that was ready to come out of our labs.

They're more powerful, easier to use, more compatible and include software to make you more productive. And they do this at a very competitive price. The three models

give you a choice of processor speeds and displays to suit any need and budget.

Desktop power on your lap. With upgrade options built in.

To begin with, they all use 68LC040 CPU chips and will be upgradeable to new PowerPC RISC chips as soon as they're available next year. So right now, they can put desktop computing power on your lap, with a clear upgrade path for the future. This power means PowerBooks are now practical and effective for demanding applications like graphics, complex financial modelling and multimedia. The PowerPC upgrade means they'll be able to keep up – no matter how your needs change.

Macintosh users really do get more done than Windows users.

A recent study showed that Macintosh users completed a set of business computing

tasks in 44 percent less time—with up to 50 percent greater accuracy — than users performing the same tasks on Windows-based computers. The study: "A Comparative Study of Productivity: Macintosh Versus Windows", was conducted by leading

international consulting firm Arthur D. Little, Inc. in January 1994. They concluded that "The test results provide objective, empirical support for the notion of a tangible productivity advantage of the Macintosh platform over Windows." "For the range of

tasks tested, users on the Macintosh platform consistently outperformed users on Windows, in terms of both time to completion and correctness of completion. This performance edge was true not only for the test as a whole but for every component/segment of the test."

(continued on page 2)

(continued from page 1)

Pointing is now as easy as...pointing.

Apple's new TrackPad is our simplest, most intuitive pointing device yet. Below the keyboard of the new PowerBook is a rectangular panel. Just slide your finger across the panel to move the cursor. The action is simple, logical and comfortable. There are no moving parts to collect dust or break down.

The TrackPad is the most visible way we've made these new PowerBooks even easier to use. Others include our Intelligent Batteries which use the latest nickel-metal-hydride technology and their own processor to precisely monitor battery power. The result? Up to seven hours operation (with two batteries in a PowerBook 520) and two hour recharging.

The screen format now matches the 640 x 480 pixels that's standard with our desktop computers. And all the "500" models come with video output so it's easy to connect to a normal monitor (including many VGA & SVGA DOS-type monitors with a third party adaptor).



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The Fine print

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Works the way you do.

We've added more capabilities and options so your PowerBook can be what you want, when you want it. AppleTalk or EtherNet networking and full stereo sound are all part of the package.

The PCMCIA (Personal Computer Memory Card Interface Association - whew!) is a standard for add-on devices which has been gaining acceptance in the laptop world. The PowerBook 500 range can accept one or two PCMCIA cards. These could be memory, specialised hard drives, a cellular modem. If you don't need PCMCIA (and with separate memory expansion options and built-in Ethernet many of you won't) you can use the space for a second battery.

Upgradeable screens.

While we'd probably all like to have an active-matrix colour

screen, we may not be able to justify the extra cost. But now you don't have to go without forever. Because the 520 and 520c PowerBooks can both have their screen upgraded to the active matrix screen used in the 540c.

The new PowerBooks at a glance:

- 68LC040 with PowerPC upgrade capability - plenty of power now and in the future
- New TrackPad
- Industry-standard PCMCIA compatibility
- Built-in Ethernet
- Intelligent Batteries
- Full size keyboard with function keys
- PowerBook Mobility Bundle software
- Upgradeable screens
- Stereo sound and built-in microphone

We've kept our focus where it matters.

Everything about these new PowerBooks is designed to make you more productive. Their computing power, ergonomics, power supply and software all work together to help you get things done.



DUO
280C

Welcome to our "mobility" issue. Laptop computers have been a revolution for people in all kinds of jobs. And we at Apple have been proud that our PowerBooks have been among the most successful, most awarded (and most imitated!).

As we go to press, we've just launched our new "500" series PowerBooks, which are our first complete revamp since the original PowerBooks. They bring '040 power to laptops for the first time, have our new TrackPad pointing device and several other innovations (including several that strengthen our DOS/Windows compatibility).

Here are a few other "firsts" in this issue's new products (see page 4): The first genuine Macintosh on another computer platform - the Macintosh Application Environment. Our first PowerPC based server - the Workgroup Server 9150. This is also the first Macintosh with RAID hard disks for high speed and reliability.

Our third party developers haven't been sitting around either. On page 5 you'll find some upgrades of longstanding favourites and a few brand new ideas (like connecting your guitar to your Macintosh!).

And we've got an update on the native applications for the Power Macintosh. Many popular applications can now take full advantage of these machines. If the one you're waiting for isn't there yet, it's probably not far away - there's a stack that are due for release over the next few months.

Finally, if you're in the market for a larger hard disk drive, don't buy anything until you've had a look at the new prices for genuine Apple drives (page 5 of this issue). You'll be very pleasantly surprised.

Happy Trails

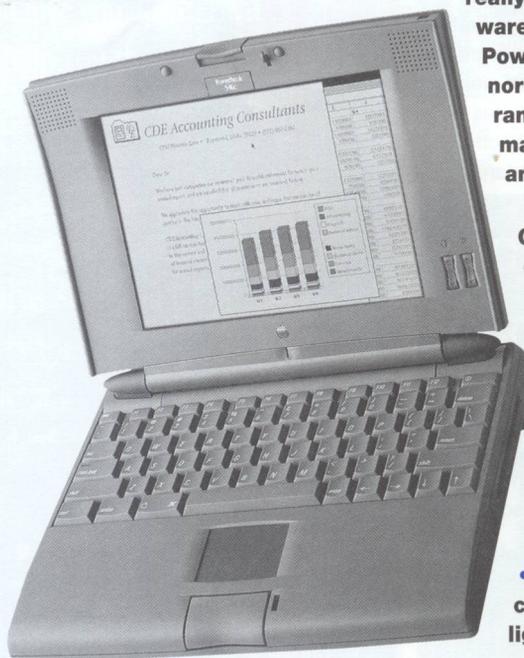
Pene Slade

Pene Slade, Editor.

All the performance you need, with you all the time.



PB
520C



PB
540C

The PowerBook Mobility Bundle

As we've always known at Apple, great hardware isn't enough. The key to Apple's products is powerful, easy-to-use software that works intimately with the hardware to really help you do things. The software included with our new PowerBooks goes beyond our normal System 7 software with a range of programs designed to make mobile computing easier and more productive.

Customer surveys and focus groups told us what you needed. So every new PowerBook 520, 520c, 540c and Duo now comes with the PowerBook Mobility Bundle. Software to help you exchange files, manage your precious battery power, and synchronise files with your desktop.

- **PowerBook Control Strip** - in conjunction with our new intelligent batteries this lets you precisely measure, manage and use your precious battery power.
- **PowerBook File Assist** - to easily keep the files on your PowerBook synchronised with the files on your desktop.
- **Macintosh PC Exchange** - lets you use DOS or Windows disks in your PowerBook, for easy exchange of data.

The PowerBook range at a glance

PowerBooks: All PowerBooks have built in SuperDrive; LocalTalk networking; modem socket; SCSI, ADB, serial and sound in/out ports.

- 520** 68LC040 @ 50/25MHz; 8MB RAM expandable to 36MB; 160MB hard disk; 16 Greyscale passive matrix 640x480 screen; video output; Ethernet; PCMCIA slot; NMH battery; 2.9kg; **\$4,495**
- 520c** as for 520 with 256 colour dual scan passive matrix 640x480 screen **\$5,495**
- 540c** 68LC040 @ 66/33MHz; 8MB RAM expandable to 36MB; 320MB hard disk; 256 colour 640x480/thousands of colours 640x400 active matrix screen; video output; Ethernet; PCMCIA slot; dual NMH batteries; 3.3kg; **\$7,495**

PowerBook Duos: All PowerBook Duos have a docking connector, internal modem socket; Serial port; LocalTalk networking.

- Duo 230** 68030 @ 33MHz; 4MB RAM expandable to 24MB; 120MB hard disk; ; 16 greyscale 640x400 supertwist screen; NMH type I battery; 1.9kg; **\$2,995** including external SuperDrive
- Duo 280** 68LC040 @ 66/33MHz; 12MB RAM expandable to 40MB; 240MB hard disk; optional external SuperDrive; 16 greyscale 640x400 supertwist screen; NMH type II battery; 1.9kg; **\$5,495**
- Duo 280c** As for Duo 280 with active matrix screen: 256 colours at 640x480 or thousands of colours at 640x400; 320MB hard disk; 2.2kg; **\$6,495**

The new Duos.

The Duos haven't been forgotten. The new Duo 280 and 280c have the same fast 68LC040 processor (and will be upgradeable to PowerPC) and nickel-metal-hydrate batteries as the new 500 series.

They continue the Duo tradition of minimum size and weight and easy desktop conversion by simply sliding them into a Duo Dock II.

• **MacLink Plus/Easy Open Translators** - if you need to read a file but don't have the application, this will probably let you open it. It has more than 1,000 automatic translations for Macintosh, DOS and Windows files.

• **Launcher** - for easy launching of programs, PowerBook quick tips and support information.

• **HyperCard Player 2.2** - lets you read HyperCard "stacks" including the Addresses, Appointments and Audio Help stacks included.

• **Calendar 1.0** - to keep track of appointments and "to-do" lists.

• **MacCheck** - diagnostic software.



Apple Remote Access MultiPort Server

An integrated hardware/software package that lets up to sixteen computers get

New from Apple

remote access to your server with Apple Remote Access (ARA) software.

The Serial Card fits in a Nubus slot in your Macintosh and lets you connect up to four modems (for additional modems you can get 4-port expansion cards up to a total of 16).

The software provides complete management of ARA, including extensive security provisions and compatibility with most modems and networks.

Apple's new site licensing program

Now larger corporate, small business and education users can buy software licences, support

and maintenance in volume.

The Apple Site Licensing Program is available through Authorised Apple Resellers and directly from Apple. Most Apple System and connectivity software products are available under the new program, which includes an annual subscription for maintenance, providing upgrades, bug fixes, enhancements and support.

The program starts at 50 units and comes with toll-free technical support including pre-sales assistance, installation and troubleshooting.

For more information call the Apple Answerline on (02) 975 8661 or 1 800 807 504 or your nearest Apple reseller.

GeoPort is now Austel certified

Apple's GeoPort Pod has been certified by Austel, the Australian telecommunications regulator. This means your Quadra AV or Power Macintosh can soon be connected directly to the Australian telephone network for data, voice and fax communications.

GeoPort Pods will be available from your Authorised Apple reseller at a recommended retail price of \$295.

Macintosh Application Environment

Apple recently announced its plan

to make the Macintosh operating system available on other computer platforms. Here's the first example. The Macintosh Application Environment is a full "virtual Macintosh" that runs on Sun and Hewlett Packard UNIX workstations.

With MAE installed, workstation users can easily run standard Macintosh (680X0) productivity applications. It also lets them use many UNIX capabilities and network resources through the Macintosh graphical user interface.

AppleShare 4.0.2

AppleShare has long set the standard for easy to use, powerful file and print server software. Now, with the release of AppleShare 4.0, it's two-three times faster than AppleShare 3.0. If

you're using Apple's A/UX operating system you can use AppleShare Pro which is up to four times faster than AppleShare 3.0.

Multiple Scan 17 Display



Aimed at business professionals who want to get a better view of things, the Multiple Scan 17 Display uses proven Trinitron technology to give you 64% more viewing area than standard screens. It's ideal for spreadsheet, word processing and presentation use. See the article below to find out why a multiple scan

monitor might be useful to you. This quality and flexibility make it a lot of monitor for its recommended price of \$1,895.

Workgroup Server 9150

The benefits of PowerPC performance in a rugged workhorse for a large and expanding workgroup.

Built around an 80MHz PowerPC 601 processor with on-chip and level-2 cache, the Workgroup Server 9150 comes with two built-in hard disks and space for



three more, DAT drive and Retrospect software for backup (of the server and its clients) and dual-channel SCSI that can support up to 14 SCSI devices.

An important new feature is Apple RAID software. RAID (which stands for Redundant Array of Independent Disks) uses multiple hard disks in two different ways. It can either improve reliability by writing all files to several disks simultaneously. Or it can improve disk speed by "striping" files across multiple disks.

The Workgroup Server 9150 will be available soon with 24MB RAM, two 2GB hard disks, 512K of level-2 cache, a DDS-2 DAT drive (10-14GB compressed capacity) a CD-ROM Drive and AppleShare 4.0.2.

What is "Multiple Scan" anyway?

Apple's larger monitors are now both "multiple scan" models: the Multiple Scan 17 and 20. This makes them both more flexible and more compatible. Here's how:

As you probably know, the image on your screen is made up of hundreds of thousands of tiny picture elements or "pixels". With most monitors, the number of pixels they can display is essentially fixed. The larger the monitor, the more pixels. And the more information they can readably display.

Multiple Scan monitors are more flexible. They can display different size pixels in different formats. The smaller the pixels, the more there are on the screen, and the more detail they can show.

Here's how this is useful: Apple's Multiple Scan 17 and 20 monitors can both display in three resolutions: A page layout view (1,024 by 768 pixels) which puts the greatest amount of information on the screen; a publishing view (832 by 624 pixels) for an actual-size view of finished publications; and an oversize presentation view (640 by 480 pixels) which is ideal for presentations and training. The Multiple Scan 20 monitor goes one step further with an

enlarged page layout view (1,152 by 870 pixels) for viewing two full pages.

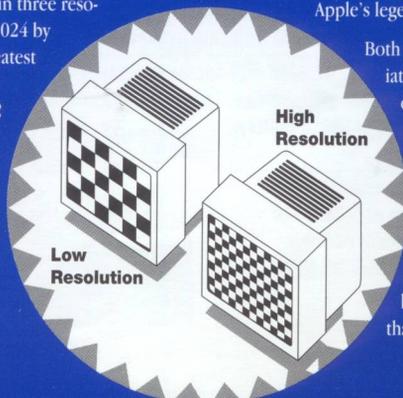
This flexibility is very valuable when you use a variety of applications. The higher resolutions are brilliant with spreadsheets, when you want to get as much information as you can on the screen. The actual size resolution gives you an accurate view of finished publications. The coarse resolution makes it easy to edit individual pixels in graphics software.

Screen resolutions can be switched at any time using control panel software.

The other advantage of Apple's Multiple Scan monitors is that they work with major DOS/Windows display standards (they even come with the right adaptor). This lets companies that use both platforms standardise on Apple's legendary monitor quality.

Both meet the latest international radiation safety standards and energy consumption standards. Convenient digital controls adjust the monitors including "white point" for accurate colour rendition.

The very best news about these two monitors is the price. In spite of their improved capabilities, both are actually cheaper than the models they're replacing.



Climb the Apple Tree. And WIN!

If you're thinking about upgrading your Macintosh in the next couple of months, here's some help (and an incentive!).

The help is an "InfoDisk" we've created. It will give you a rundown on a selection of the latest Apple products. It will help you through the pros and cons of the upgrade paths (or "branches" if mixed metaphors bother you) you can follow.

The incentive? If you do upgrade before the end of August, you can take advantage of special offers on Macintosh and PowerBook computers and LaserWriter printers that can save you as much as \$600. You'll also have a chance to win an Apple Newton.

As AppleNews readers we'd like to give you the first chance to get one of these disks. Just fill in and send the attached card or write to:

Reply Paid 363
"Climb the Apple Tree"
Apple Information Centre
PO Box 1946
North Sydney NSW 2059

Please be quick, as only 1,000 copies are available for AppleNews readers.

Good luck!

Do you have a friend who's thinking of buying a computer?

To help people understand Apple computers, we've produced a 15 minute video about people and the role their Apple computer plays in their life. As an Apple user, we don't need to tell you this, but you may have a friend who's thinking of buying a computer.

The video is aimed at home and home office computer users and clearly demonstrates how easy to use, compatible and powerful the Apple Macintosh is for home, education and small business use (all the stuff you already know!).

If you have a friend who's interested, ask them to write to the address below for a FREE copy of the "At Home with Apple Computers" video. We have 500 to give away to the first 500 who write. Just fill in and send the attached card or write to:

"At Home with Apple Computers"
Apple Information Centre
PO Box 1946
North Sydney NSW 2059

POWER MACINTOSH NATIVE APPLICATIONS THE LATEST UPDATE

Here's a list of the native applications for the Power Macintosh that have been released

IN STOCK NOW

First, the applications that were available from the Australian distributors as we went to press.

Developer	Product	Distributor
Adobe	Photoshop plug-in	InfoMagic
Aladdin Systems	StuffIt Deluxe	Pica Software
Aldus	FreeHand	Aldus Australia
	PageMaker	
Auto • des • sys	FormZ	Smart Technology
Bungie Software	Pathways into Darkness	Try and Byte
Central Point Software	MacTools 3.0	Central Point
Clarix Corporation	ClarixWorks	Clarix
Diehl Graphsoft	MiniCAD	Aust Design + Draft
Domark	Flying Nightmares	Try and Byte
Fractal Design	Painter 2.0	Mitsui
GraphiSoft	ArchiCAD	Archisoft
Hi Resolution Limited	MacBac 1.1	Checkmark
	MacPrefect Remote 1.0.1	
	MacVisa 1.1	
Insignia	SoftWindows	Conexus
Linker Systems	Animation Stand	Smart Technology
SoftTeam	Punto 1.6	Images Software
Strata Inc	Studio Pro 1.1	Aust Design + Draft
Virtus	Walkthrough	Amitron
Wolfram Research	Mathematica	Pica Software
WordPerfect	WordPerfect	WordPerfect

Developer

About Software

Absoft
Access Privilege SA
ACI
Adobe Systems
Aetis
Afga-Gevaert N.V.
Artifice Inc.
Artwork Systems N.V.
AS-PLUS B.V.
Ashlar
B.E.M.E. R&D
Baltic Business Systems
Brossco Systems Oy
Canto Software GmbH
Casady & Greene
Charles River Analytics
Clarix Corporation
Dantz Development
Data Description
DeltaPoint
Dunaway Systems B.V.

Extools

FIT Software
Fractal Design
Frame
FWB
Gibbs Systems
Graphisoft
Graphisoft (Atlas S/W)
Gryphon Software
GTFS/GRAFTEK
Hash Inc.
Interstudio
ITEDO Software GmbH
Jasik Designs
Just Systems
Language Engineering
MedImage
Metrowerks
Microland
MicroMacro, Ltd.
Neon Software
Now Software
Orange Micro Inc
ORKIS
Pole Position Software
Route 66 Geo Info Systems
SCITEX America
Segue Software
SOFT Technologies
SoftTeam Hardware & SW
Sorting S.r.l.
Specular
Spider Island Software
System Clinic
Trillium Research
Trio Systems Europe
TrueD Software
UserLand Software
usrEZ Software
VAMP
VICOM Technology Ltd
VideoFusion
Wilkensens SCOOP

Product or products

5PM Term for IBM Main, VAX&UNIX, AS/400 and 5PM Pro for Mac 2.2
Fortran 477
EasyTransfer 3.1
Object Master and Object Master Universal
Illustrator and Photoshop
Protections Logicielles
FotoLook 2.0
DesignWorkshop
ArtPro 1.2
AS-PLUS Bankaschriften
Vellum
ALIX (colors for printers)
MacHansa Accounting II
Voyant 2.0
Cumulus
Conflict Catcher and Spaceway 2000
Open Sesame!
ClarixImpact
Retrospect
Data Desk
DeltaGraph Pro 3
Signalize 2.6, Spooler 1.2, PostScript Interpreter, Scanning & Vektorizing, Remote Font & Clip Art
Shade III 1.1 and Shade III Light
Full Contact
Dabbler 1.0
FrameMaker
Hard Disk Toolkit
Virtual Gibbs
Atlas 1.0.4 and GeoConcept
PS Mail
Morph!
Ultimage/Pro(Optilab/Pro)
Playmation
Domus.Cad71, flex•plan 1.0 and Nonio C 5.0
IsoDraw 2.6
MacNosy
ATOK8
LogoVista E to J
MedView
CodeWarrior
Le serveur maestra 2.0
MicroGuard Copy Prot
LAN Surveyor 1.1 and NetMinder Ether 3.1
Now Contact
OrangePC
ImageBasePro 2.5
Mac DCE77
AtomicTime and SignPost 1.2.0
Full Auto Frame
QA Partner
Simulateur de conduite 1.2
MacSign 4.0
CADsap4.0
Infini-D
Telefinder Group Edition
DTP603 1.0j
Remus (ltd version)
C-Index Pro 1.0
Live on RISC
Frontier 3.0.2
ultraSecure 3.0
McCAD Trailblazer
VICOM MultiTerm, Pro SDK 5.0 and RunTime
Recorder and VideoFusion
SCOOP Archive 1.1

Distributor

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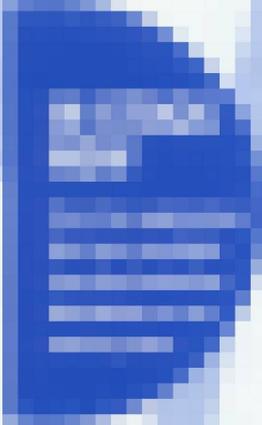
Oxford Systematics
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331-45-84-26-00
800-344-3468
patch on AOL
Icon Technology
206-750-0042
39.57331307
Cigraph
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03-5470-6028
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Trio Technology
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Xpressions
617-969-3771
3365-40-05-05
Images Software
39.6 44291061
800-433-7732
Databasics
078-811-2318
715-381-1900
31-20-638-6507
33.865.784950
MacWarehouse
Trio Technology
Electro-Optics
Random Access Con
Firmware
468-33-35-93

RELEASED

Applications that have shipped, but weren't in stock in Australia when we went to press. If there is no local distributor we've included the developer's international phone number

POSTAGE WILL BE PAID BY ADDRESSEE

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Subscription Service
Member Since



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AppleNews
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PO Box 6800
Silverwater NSW 2128

**NO STAMP
REQUIRED**



New for your Macintosh

Organise your images

Canto Cumulus will help you keep track of computerised images. You can quickly find the image you want by name, type, creator or any notes or keywords you give it. Or you can just look through thumbnails. Its client-server construction lets you use it effectively over a network. Cumulus works with all popular image formats and all the major page makeup programs. Call Firmware Design on 047 21 7211.

Affordable Virtual Reality

Virtus VR lets you create virtual worlds from galleries of prebuilt objects like furniture, vehicles and people. You can change their scale, colour and texture to create interior designs and games.

At a recommended price of \$149 VR is the entry level of Virtus' virtual reality products. Extra galleries cost \$59.95. It can be upgraded to Virtus WalkThrough which adds advanced modelling capabilities and WalkThrough Pro, for professional virtual reality users. Call Amitron on 03 764 8944.

Forget about typing

Power Secretary uses advanced speech recognition technology to turn your Macintosh into a complete dictation system. Now you can simply talk to enter text and control any application. The program has a 120,000 word vocabulary you can easily add to. It learns how you speak, constantly improving its recognition. Power Secretary works with any AV Macintosh and other 68040 models with an optional sound card. A Power Macintosh version is expected soon. Power Secretary has a recommended price of \$3,950 including a special headset. Call Digital Technologies on 09 470 4366.

Professional data reporting

Andyne P^ablo gives managers a powerful tool to develop meaningful summaries from the mass of data on their corporate systems.

Data sources called *HyperCubes* are created by the company's IS staff from the corporate databases. P^ablo puts this information into the hands of the people who need it. They can manipulate, present, summarise, sort and report it to suit their precise needs. For more call Unidata 02 416 6877.

Put your guitar on the Macintosh

This hardware/software combination will appeal to anyone who plays (or wants to play) the guitar. G-Vox has a pickup that connects your guitar to your Macintosh.

The software displays what you're playing on an enlarged fret board on the screen. Now you can play, learn and practice exercises, riffs and tunes. With additional software you can use your guitar as a MIDI input device. Artist Libraries give you a personal training

session with some of the world's top guitarists. G-Vox has a recommended price of \$699. Artist libraries and other software packages start at \$40. Call CMC Music on 02 905 2511.

Compelling presentations

Version 3 of Aldus Persuasion adds a stack of new capabilities to this proven package.

As well as all the "slide" features, Persuasion 3 adds a range of sound, animation and digital special effects for on-screen presentations. Presentations can branch into: another presentation, higher-level slides, a QuickTime movie or another application.

Four different colour models help you get the result you want: on a monitor, slides or printed pages, even separate management of black & white versions. The new charting module gives you 84 distinct chart formats.

A new interface has made all these capabilities easy to use. Suggested price is \$695. Call Aldus on 02 418 8488.

New from Microsoft

Microsoft have announced Macintosh versions of their powerful relational database FoxPro 2.5 and several of their CD-ROM products: Encarta, Cinemania and Bookshelf '94. Call Microsoft on 02 870 2111 or 1 800 257 253.

WriteNow 4

WriteNow has always been the fast, low cost, minimum memory word processing option on the Mac. The latest version is no exception. You'll get plenty of capabilities (including very slick table and graphics handling) in a package that runs happily in 600K of memory and costs just \$129. Call Pica Software on 03 326 5255.

Upgrade your hard disk with full Apple support.

Now you can upgrade your original hard disk drive to a larger genuine Apple drive at any Authorised Apple Reseller. So before you hand over your hard-earned money for someone else's drive, consider what you get with every Apple drive:

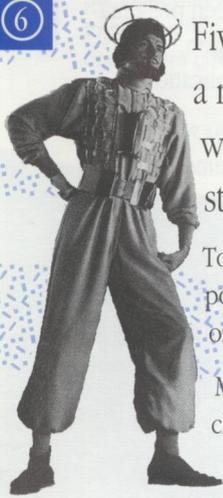
- Apple drives undergo the toughest qualification testing in the industry. Every one is tested and formatted before shipping.
- Drive manufacturers confirm they last two-three times longer.
- They all have ROMs designed by Apple specifically for Apple computers.
- Tighter engineering standards make them quieter.
- Supported by resellers around the world.
- Full 12 months warranty that will be honoured by all Authorised Apple Service Providers.
- Apple extension programme which covers manufacturing faults for the life of the drive.

We're as proud of the quality of our drives as we are of every other part of our computers. So you can be confident you'll get the very best. With the full backing of Apple and our worldwide network of Resellers.

We're just as proud of our prices: \$547 for a 250MB, \$910 for a 500MB and \$1,687 for a 1GB drive, sales tax included (but installation's extra). By the way, those capacities are the amount of usable storage you can get, not unformatted capacities.

We'll even give you a discount of up to \$400 if you can exchange your old Apple drive over 120MB in a desktop Macintosh or over 80MB in a PowerBook. For smaller capacity drives we can install them in a case so you can use them for extra storage, backups or as a font storage drive for most LaserWriter printers.

Ten years ago it was science fiction.



Five years ago it became a reality for professionals with rich employers and strong arms.

Today most of us can afford a powerful computer-based office that fits in a briefcase.

Mobile computing has changed the way we do business (and live our lives).

Sales executives now carry multimedia presentations everywhere they go; bankers can do on-the-spot financial scenarios in their client's office; travelling executives can actually achieve things in airports and aircraft. And all of us can now go home, spend time with our families and still *"get that report finished by the morning"*.

When Apple launched the first PowerBooks late in 1991, they set a new standard for mobile computing. In fact there are plenty of people out there with a DOS or Windows

machine on their office desk, who put an Apple PowerBook in their briefcase. The famous Macintosh ease of use became even more valuable away from the resources of an office (lugging manuals around and trying to use them in an airline seat makes mobile computing less appealing).

Macintosh computers are about getting things done. PowerBooks are about doing it anywhere.

Since then we've kept working to make mobile computing productive, satisfying and simple. With increasingly powerful PowerBooks, easy to use network access, the Portable StyleWriter and soon, our own online service – eWorld (see the article on page 5).

So what can mobile computing do for me?

With one of Apple's new PowerBooks, you can put the power of your desktop computer into your briefcase. So instead of working late you can literally "take your work home". If you're sick of time wasted in airports or hotel rooms, you can turn it into productive working time. Instead of always saying "I'll check that when I get back to the

office." you can start saying "I'll find out right now".

With fast '040 processors, the new 500 series PowerBooks have enough computing power to handle graphics, multimedia, financial modelling and CAD – anything you can do on a desktop computer.

With a modem (available from third party suppliers) you can send faxes, read and answer your E-Mail, gather information from your company's network or the resources of any on-line service.

Using optional AppleTalk Remote Access, you can dial into your company's network and have the same facilities you do in the office.

The only complete solution.

Apple has always been focussed on giving you a complete solution that's easy to use. Everything's designed and made to work together with each other – and with you – to make your life simpler and more efficient.

Desktop computers, notebook, sub-notebook and handheld computers, printers, scanners, remote access software and soon our own online service. With Apple products, mobile computing is simple, productive and (dare we say it) – fun.

Do you work in a SOHO?

The latest computer market acronym is "SOHO". It gives a name to an audience that's largely been made possible by computers – the Small Office/Home Office.

If Apple's famous ease-of-use is important to all of us, it's essential to one-person businesses and home workers who have to be their own bookkeeper, secretary and marketing department. Because all Macintosh applications work in the same intuitive way, it's easy to switch between word processing, accounts, budgetting and desktop publishing.

The logical next step: Apple's own on-line service

Apple's newest product isn't a computer. It's an on-line service called eWorld.

eWorld is a place to meet, a place to learn, a place to make contact and a place to keep up to date.

Just as the Macintosh's Desktop metaphor made sense of computing on our desk, eWorld's geographical metaphor makes sense of the vast resources of an on-line service. If you want to research something, go to the library. If you want to check your mail, go to the mail centre. If you want to buy something, go to the Marketplace.

Now if this sounds cute, stop and think. Your Macintosh's trashcan and folders seemed cute when you first saw them. But look at how well

they work: you've never had to think when you want to put something away or get rid of it. Online services have a well-earned reputation for being hard to navigate. Because they're based on text you have to work through layer after layer to find what you want. It's a bit like driving across the country getting directions from each place along the way. If you take a wrong turning you won't know until you get to the next stop. Unlike a map, which shows you where you are, where you want to go and how to get there.

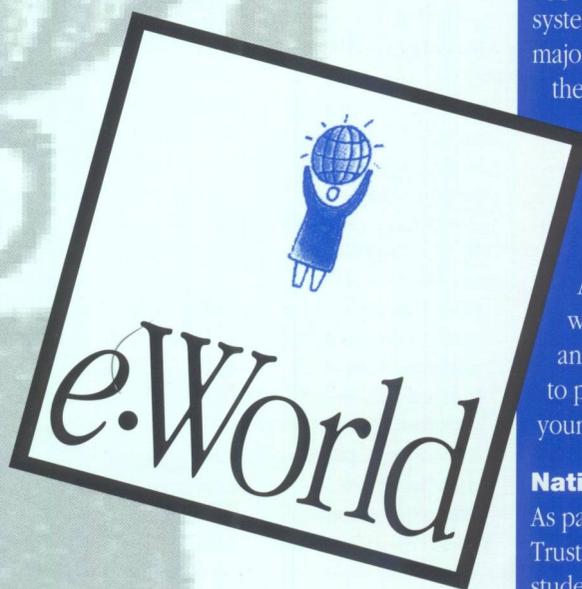
So that's how we've designed eWorld. Like a map. A colour coded, three dimensional, multi-lingual, interactive map. So you can easily find what you want, get there and get back again.

The other big difference is price. eWorld has been designed from the start to be accessible and affordable.

As an Apple service, eWorld will obviously support Apple's computers. So there'll be no better place to get help and advice on your Macintosh or PowerBook. Major software companies will have their own forums. But eWorld is open to anyone with information to

provide or products to sell. You'll be able to browse through news services, participate in live discussions and buy products from around the world.

eWorld will be available in Australia later this year. As well as global content, it will have Australian news, weather and sport from the start. The local content will expand as local service providers move on to the service.



For some SOHOs the computer is a powerful support tool: streamlining correspondence and bookkeeping. For others, like desktop publishers, accountants and multimedia producers, it's the heart of their business.

In fact many new small businesses just wouldn't be possible without computers.

Working from home is also becoming more important as a complement to working in the office. "Taking work home" is now a lot more than just catching up with reading.

With AppleTalk Remote Access and a modem, your home computer can be part of your office network for the cost of a phone call. With exactly the same access to data, printers and other network resources as your office computer.

Enough philosophy, let's look at a typical small/home office. At its heart is (of course) a Macintosh computer. Depending on its role it could range from an LC to a Power Macintosh. For a person who's constantly in and out, a PowerBook is a popular choice.

It will certainly have a printer – probably a StyleWriter II or Personal LaserWriter.

A fax modem lets you send messages directly from the screen. Saving time and paper (and giving a better result at the other end). The same modem will let you use online information services, AppleTalk Remote Access and transfer files with clients or colleagues.

For the ultimate in the integrated office, an AV Macintosh can manage your phone calls, faxes and E-Mail, even videoconferencing.

Sponsorships: putting our money where our heart is.

Sponsorships of organisations and events are an important part of Apple's commitment to the community. Some are a practical way of supporting charities and community events we believe in. We also sponsor organisations and events that put our computers in the hands of people who wouldn't otherwise be able to afford them. Here are a few recent sponsorships.

Walk Against Want

This annual event raises money (and awareness) to help the world's needy people. We were pleased to donate an Apple Macintosh LC475 Colour Plus system to Community Aid Abroad as a major prize in the draw that was part of the Walk Against Want campaign.

Congratulations to Grania Hickley of Annandale, who won.

NorthSprint '94

Apple was proud to sponsor one of Australia's premier athletic events, which raises money for Little Athletics and for the The Ken Irvine Foundation to provide scholarships for promising young athletes.

National Trust

As part of Heritage Week '94, The National Trust ran a competition for Year 7 and 8 students to create a tourist guide for their town. Apple sponsored this by providing the prize, a Macintosh LCIII computer system. Katie Hall and Melinda Whitney won the system for their school, Killara High School.

APITITE Conference

For your diary: 28 June to 2 July, Brisbane.

Apple Computer is a founding major sponsor of APITITE '94, the Asia Pacific Information Technology in Training and Education Conference and Exhibition. For anyone who's applying information technology to education and training, this incorporates the annual conferences of the Australian Council for Computers in Education, Australian Society for Computers in Learning in Tertiary Education and Information Technology for Training and Education. For full details contact Michelle Wear on (07) 369 0477, fax (07) 369 1512.

Q&A

Q I have been pleased at how well my Power Macintosh runs my existing software, but some of my oldest software refuse to work. Is there any way to make these programs run?

One of our main aims for Power Macintosh was to make it compatible with existing software. In 97% of cases we've succeeded. Software that won't work probably doesn't stick to Apple's published development guidelines.

You may be able to make your applications run by turning off the Modern Memory Manager (in the Memory Control Panel). The memory manager was completely rewritten for the Power Macintosh and some applications can't take advantage of it. In other cases you will need to contact the distributor of the software to get an update.

Q I am a little confused about the difference between "native" software for Power Macintosh and other software. Which should I use?

"Native" application software has been developed specifically to run on the RISC PowerPC chip at the heart of each Power Macintosh. It takes advantage of all its enormous capabilities. Other Macintosh software was designed for the earlier

Macintosh processor chips: the Motorola 680X0 family. To run this software, the Power Macintosh "emulates" a 68040 processor. This emulation is completely automatic, but because the PowerPC chip is impersonating a slower, older-style chip, 680X0 applications are slower than native ones. For the best performance you should be looking for "native" software, particularly for demanding jobs like publishing, design or intensive calculation.

Q I've installed a Power Macintosh Upgrade Card in my Quadra, but it won't come up in Power Macintosh mode. What am I doing wrong?

Once the card has been installed in its slot and the Control Panel put in the System Folder, the Control Panel has to be switched to Power Macintosh mode. Next, you must Shut Down (from the Special menu) and start the Macintosh up again. A Restart isn't enough.

Q Do I need System Update 3.0? Where do I get it?

System Update 3.0 improves the performance and reliability of Macintosh computers running system software version 7.1, 7.1.1 (System 7 Pro), or 7.1.2 (for Power Macintosh). If you are running any of these Systems you should install System Update 3.0.

System Update 3.0 is available from on-line services like CompuServe, Internet

and AppleLink. It may also be available through User Groups. It is also available (on 1.44MB disk) from Apple Software Upgrades. Phone us on 1 800 631 125 and quote product code U011. The cost is \$15 plus \$3.50 postage or \$7.50 for overnight courier. You can pay us by cheque, money-order, or credit card (Visa, Bankcard or MasterCard).

Q Occasionally my Macintosh whistles at me - a sort of ascending whistle. I haven't loaded any sound utilities so I am at a loss to explain this. Is there something wrong?

The ascending tone is "Easy Access" letting you know it has been activated. You should also see a U-shaped icon at the right of the menu bar. Easy Access is for

people who don't have full use of their hands: it lets them use the numeric keypad instead of a mouse. If you don't need Easy Access you can remove it from your Macintosh (it will be in the System Folder; in the Extensions Folder if you're running System 7). For more on how to use Easy Access look in your Macintosh manual.

Q Our Apple LaserWriter Pro 630 has the optional 500 page tray. I want the printer to print using this tray unless I tell it otherwise. What do I need to do?

To make the 500 page tray the default you need to use the LaserWriter driver version 8.1.1. The driver is the software that lets your Macintosh use the printer. It's in the Extensions folder in the System Folder. To check the version, select the file and choose "Get Info" from the File menu. To install the right file, simply drag it into the Extensions folder (or the System folder). Then open the Chooser and select the printer you want. Click on the "Setup" button. Click "Configure". Now choose "Installed and Preferred" from the pop-up menu called "Cassette 500 Sheets".



TIP DE-FRAGMENTING HARD DISKS

When you first use your hard disk, each file is written to it one after the other. As you delete and add files your hard drive gradually slows down as it gets "fragmented". Instead of each file being together in one place, files get split up and stored wherever there's free space on the disk (it's a bit like those annoying magazine articles that keep saying "continued on page-something"). So each time your computer reads a file from the disk it has to find all the pieces. As you delete old files, new ones are written into the spaces that are left, using each space in turn. Because the hard disks heads have to move from place to place to read each file, this will get to the point where it can significantly slow down your work.

Luckily it is fairly easy to "defragment" your hard drive and it's a good idea to do so at least once a year.

The cheapest but most tedious way to defragment is to backup your files (by copying them to another hard disk, floppy disks, tape or cartridge), reformat the hard disk (using Apple HD Setup) and then reload your files. The disk will now be defragmented and access will be swifter.

Third party utilities such as Disk Express and Norton Utilities for Macintosh automate hard disk defragmenting. They can also quickly check how fragmented a drive is. Before using these utilities you should always back up just in case something such as a power failure interrupts the defragmentation process.

TIP "PLEASE INSERT THE DISK..."

If you eject a floppy disk using the CMD-E shortcut a dimmed image of the disk will stay on the desktop. Unfortunately this means that your Macintosh remembers the disk and may ask for it back (usually when you can't lay your hands on it). A better way of ejecting the disk is to use CMD-Y to "unmount" the disk, or to drag the disk image to the Trash can.

Incidentally, if you do get a "Please insert disk..." message and can't or don't want to, you can clear the message with the standard CMD (.).

TIP "OF COURSE I WANT TO EMPTY THE TRASH!"

If you don't want the warning message that appears every time you empty the trash you can turn it off. To do this select the Trash icon and choose "Get Info" from the File Menu. Uncheck the box called "Warn before emptying" then close the Get Info box.

TIP TO FIND THE FILE OR APPLICATION THAT AN ALIAS POINTS TO SELECT THE ALIAS AND CHOOSE "GET INFO" FROM THE FILE MENU. PRESS "FIND ORIGINAL" TO REVEAL THE ORIGINAL FILE OR APPLICATION.

LaserWriter Select 360 rated #1 - for DOS and Windows!

A review of sixteen 8-10ppm laser printers for DOS & Windows in the May 94 issue of US magazine PC

World rated the Apple LaserWriter as the #1 "Best Buy".

Here is what they had to say:

"The winner of PC World's beauty contest? The Apple LaserWriter Select 360, hands down - it won every category of our print (quality) test."

"...the Apple is the simply the best all-around printer you can buy in this price range."

PC World in Australia also rates the Select 360 as their "Number 1 best buy" as does MacUser magazine.

PowerBook ProductLine

-2 Product lines now

- All in one Powerbooks
- Powerbook Duos (So called Sub-notebooks)

All in one Powerbooks

-Powerbook 145B is the low end machine, according to rumour they are to be replaced with a new low end machine, but there is no official word from apple.

-Introduction of the new PowerBook 500 series - the so called "blackbird"

- 3 basic models, the 500, 520 and 5X0c
- totally new and redesigned all in one PowerBook
- Features 68040 power in 25 or 33mhz versions
- active matrix colour version
- dual scan passive matrix colour version (virtually as good as active matrix)
- Features 240 or 330 mb hard disks as standard
- Features 8 mb of RAM as standard
- Features PDS slot that can accept PCMCIA cards
- Ethernet port included
- 16 bit audio sound input/output, stereo speakers ARE included
- full ergonomic keyboard with function keys
- Features "Trackpad" - pressure sensitive pad instead of a trackball
 - same/better resolution compared to trackball
 - does not require cleaning c/w trackball
 - more sensitive than a trackball
- Features new Type II NiMetal Hydride Battery
 - features intelligent microprocessor inside battery
 - 3-4 hours on each battery
 - No memory effect
- Powerbook 500 can hold TWO batteries for an effective life of 7 hours typical usage.
- System Software for battery management significantly improved and enhanced

-PowerBook Duo Range

- Now called "sub-notebooks"
- 230 becomes the low-end model
- 2 models released, the 280 and 280c
- have 680LC40 processors in 25/33 mhz flavours
- both come standard with 12megs RAM
- 280 has 240 meg hard drive standard, 280c has 330meg
- 280c has active matrix screen colour, 280 grey scale
- have increased battery life with Type III niMH battery.

Notes/Summary/Selling Points

PowerBook Duos just have had 68040's stuffed into them, more standard memory, more standard hard drive and greater battery life for your money. Otherwise, there are no significant technological advances. One important selling point is that the new Duos are PowerPC upgradeable. Also stress that the Duo range is termed a "SUB-NOTEBOOK" - versus a traditional notebook, and is lighter, etc,etc.

PowerBook 500s

New series of all-in-one PowerBooks, with significant technological advances, including ethernet, 040 processors, trackpads, 16 bit stereo sound, Dual NiMH batteries, PCMCIA support, more standard memory and hard drive, fuller featured keyboard (c/w with the 100 series).

New battery technology

Type III NiMH batteries - new high capacity batteries with built in microprocessor. They will work with older Duo models (210-230-250-270c). With the high capacity, a Duo 210/230 can get SEVEN hours typical usage.

Apparently some unscrupulous PC notebook suppliers are quoting 7 hour usage times for their products. This is a misleading claim, it does not mean 7 hours TYPICAL usage times. They mean 7 hours with their machine asleep or dormant. Apple states TYPICAL usage times, ie, under NORMAL operating conditions.