

## Adobe Graphics Server 2.0 automates network publishing

Adobe Systems has announced the newest version of its graphics and imaging server software, Adobe Graphics Server 2.0 (formerly known as AlterCast). According to Adobe, the new software reduces the time and cost of creating and updating images by automating image production tasks, and integrates with asset management and e-commerce applications.

Graphics Server 2.0 allows businesses to create, update and repurpose high-quality images used in disparate mediums. Templates from Adobe Photoshop, Illustrator, GoLive and InDesign can be updated automatically.

New capabilities include robust support for Encapsulated PostScript (EPS) and Adobe Portable Document Format (PDF); conversion of SVG (Scalable Vector Graphics) files to Adobe PDF; enhanced support for image metadata and Photoshop 7.0 native files and engines; and CMYK image manipulation.

Adobe Graphics Server 2.0 will be available for sale by the end of 2002 at an estimated street price of US\$7,500 per CPU. An upgrade from AlterCast to Graphics Server 2.0 is US\$2,250 per CPU. More information is available at [www.adobe.com/products/server/graphics/main.html](http://www.adobe.com/products/server/graphics/main.html).

## New version of LiveStage Pro features redesigned interface

British Columbia-based Totally Hip has announced LiveStage Pro 4 for Mac OS X. LiveStage 4 features a completely redesigned interface as well as adding many features that the company says will help developers work more efficiently. Version 4.0 also fully supports all the new features of QuickTime 6 including MPEG-4, support for Flash 5 and dozens of new wired actions.

Suggested retail price for LiveStage Professional 4.0 is US\$899.95. Visit [www.totallyhip.com](http://www.totallyhip.com) for further details.

## Maya 4.5 adds Fluid Effects and major API enhancements

Alias|Wavefront has announced that Maya 4.5 3D software for Mac OS X, Windows, IRIX and Linux operating systems is



now shipping. Maya 4.5 boasts a number of major developments such as Maya Fluid Effects and modeling improvements, the largest collection of API enhancements since version 1.

Fluid Effects allows users to create a variety of atmospheric effects, liquids, pyrotechnics and space effects. A new Ocean Shader allows users to create realistic oceans through a displacement and shading technique. An extensive library of examples and presets is included, with additional updates accessible from the Alias website.

Maya Complete now includes the ability to convert from subdivision surfaces or polygons to NURBS. Smooth Proxy tools have also been added, allowing rapid building of high-resolution geometry with a low-resolution polygon proxy cage.

Game developers, large production facilities and Maya's third-party plug-in development community will benefit from the most extensive API release ever, with enhancements to the Polygon and Rendering APIs and the introduction of extensions to file referencing allowing additional API access.

Maya Complete 4.5 lets users running on different supported platforms to exchange files. Mac OS X users will have access to all the new features from Maya Complete 4.0 and Maya Complete 4.5 in one package.

Maya Complete for the Windows XP, Windows 2000 Professional, IRIX, Linux and Mac OS X is priced at US\$1,999; Maya Unlimited is priced at US\$6,999. Check [www.aliaswavefront.com](http://www.aliaswavefront.com) for details on availability.

## Canon to introduce 11-million pixel digital still camera

Canon has announced that it will commercialize an 11 million pixel SLR (single lens reflex) digital still camera. The EOS-1Ds uses a new CMOS (complementary metal oxide semiconductor) image sensor which Canon developed. CMOS sensors consume one-eighth the power consumed by CCD sensors.

Until now, CMOS image sensors, the part of a digital camera that records photons of light and changes those into electric signals, had a maximum size of 6.3 million pixels. Canon was able to increase the CMOS sensor size by 2.5 to 3 times and make it the same size as a 35-millimeter



roll film frame using a technology that enables it to accurately etch circuitry on a sensor in three steps. The size difference creates apparent changes in focal length when putting a lens for a roll film camera on a digital still camera

At US\$7,663, the EOS-1Ds is targeted at professional studio photographers; availability will be about the end of November.

## Bitstream adds 450 new designs to Type Odyssey 2 collection



BITSTREAM

Bitstream Inc. has just released Type Odyssey 2, a typeface collection with more than 1,450 fonts.

Type Odyssey 2 adds over 450 new designs from 36 contributors, including 22 new typeface designers. The compilation includes the Bitstream Typeface Library, the Bitstream New Font Collection and new designs. All fonts on the CD-ROM are available in both PostScript and TrueType formats for Mac or Windows.

Cost on Type Odyssey 2 is US\$1,495. See [www.bitstream.com](http://www.bitstream.com) to find out more.

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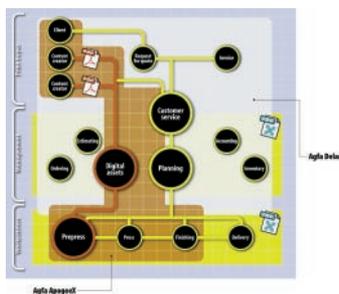
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## Agfa rolls out ApogeeX automated JDF-compliant print production workflow with revamped Delano server

In a special preview for users and selected press, Agfa unveiled the latest version of its Apogee print production workflow in concert with the September, 2002 Apogee User Conference held in Gent, Belgium.

ApogeeX is now a fully automated integrated system designed to manage files right from content creator to output, and includes a complete redesign of Delano, Agfa's client server architecture (originally a standalone ASP-based application, now a comprehensive server/delivery system priced at US\$60-100,000). The new ApogeeX workflow incorporates JDF (Job Definition Format) job tickets, based on the new CIP4 open standard for file exchange. Digital content creators can supply files in native application formats or PDF; ApogeeX has amalgamated



Enfocus' Certified PDF as a standard preflighting tool. Project management tools employ simple click-and-drag actions to allow prepress users and printers to create JDF job tickets, check files, organize workflows, create impositions, stop and start jobs to accommodate on-site or remote proofing

(or web-based soft proofing), and route jobs to platesetters, as well as interact with MIS systems. ApogeeX relies on a variety of open standard third party solutions to create one unified digital workflow.

Agfa's vision for the future of print forecasts more automation, shorter deadlines, less skilled workers and increased globalization as key factors which must be addressed.

The official North American launch of Agfa ApogeeX was made at the GraphExpo show in Chicago, September 6-9. See [www.agfa.com](http://www.agfa.com) to get complete details.

## Special Report

# Jaguar and new G4s boost Power Macs performance again

by Bob Connolly

Apple CEO Steve Jobs recently announced that, beginning in the New Year, new Macintosh computers will no longer be able to start up in System 9—they will still run old applications in Classic mode, but OS X will be the boot system. This is a bold move—just as Apple did away with the internal floppy drive, it is forcing users to adopt OS X.

We have moved most of our computers to OS X, so I'm not that worried. I hope the last stragglers in application development will take the hint and get on with releasing native OS X apps, plug-ins and drivers. (Note to Pinnacle: Please release an OS X driver for my Cinewave digital video capture card. Apple just won an Emmy Award for its revolutionary video editing application Final Cut Pro, and it's about time you let us run uncompressed video on it under OS X!)

## PRINT PUBLISHERS ARE PISS%#! TOO!

Many graphics professionals have put off upgrading their systems, complaining that QuarkXPress is not OS X compatible. Apple has countered by *giving away* Adobe InDesign free with each purchase of a new Power Mac G4 before the end of the year! So if you're thinking about buying a G4 and want to try making the transition to InDesign, now is the time to do it.

Apple has just released a new revamped G4 tower, and although it looks the same on the outside as the previous model, its inner workings are quite different. Let's start with the dual processors.

Apple has had dual processor systems

for several years, but software vendors had to write dual processor support into their applications to take advantage of them. When Apple released Mac OS X—which is designed to take advantage of two processors—users who had dual processor systems raved about the increased performance. So Apple decided to give all Power Mac G4 users dual processing by offering dual configurations across the line. This new lineup features dual 867MHz, 1GHz and 1.25GHz PowerPC G4 processors. You can't buy single processor tower Macs any more.

Cache RAM now features high-speed Double Data Rate memory (DDR SRAM)—and you don't install cache RAM, it comes hardwired right beside the main processor. It has a dedicated path to the processor, providing throughput of up to 4 GBps, so the processor can receive data up to five times faster than from the main memory. Each processor has its own Level 3 cache with up to 2MB of dedicated memory.

## RAM IT HOME

The Power Mac G4 now supports up to two gigabytes of double data rate main memory. Four slots accommodate 256MB or 512MB DDR DIMMs. There is a dedicated AGP 4X slot for the graphics card and four unoccupied 64-bit, 33MHz PCI slots for SCSI devices such as scanners, digital audio and video capture cards, or fast external RAID drives.

But how much faster is it?

The true speed of these new models can only be judged when you look at the whole picture. How well do the drives, RAM, video cards and processors work with each other? Apple claims that the new G4 Power Mac has a balanced design which includes a faster system bus, AGP 4X graphics, a direct PCI bus, integrated high-speed I/O controllers, and dual ATA hard drive controllers.

The faster system bus was first introduced in Apple's Xserve rack mount server version and integrates all the components of the Power Mac G4. It transfers data

among them using a 133MHz system bus or a 167MHz system bus for high-speed performance.

There's a new AGP 4X bus for driving the latest graphic cards. The PCI bus is now connected directly to the internal bus of the system controller for a maximum throughput of 266 MBps. The new Power Mac G4 includes two ATA hard drive controllers, and all standard systems ship with a speedy 7200-rpm hard drive on the

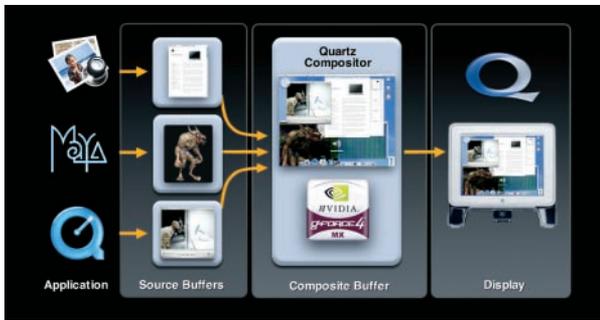


ATA/100 bus. With two drives on the ATA/100 bus and two drives on a second ATA/66 bus, users can install up to 480GB of internal storage.

## JAGUAR AND QUARTZ EXTREME

We've been talking a lot about new hardware, but I'd like to add that all new Power Mac G4 systems include the latest version of Mac OS X—version 10.2, known as Jaguar. The new OS X operating system was designed from the ground up to take advantage of multiprocessor computing and graphics rendering.

The new OS features the "Quartz" graphics engine which integrates OpenGL technology for rendering 2D and 3D graphics, with QuickTime for displaying crisp video content. Quartz Extreme—new in Jaguar—leverages the power of advanced graphics cards, so that on-screen graphics are faster and more responsive than before. Quartz uses the integrated OpenGL technology to convert each window into a texture, then sends it to the graphics card to render on-screen. The



graphics processor focuses on what it does best—graphics—freeing up the main processor to work on other tasks.

You're probably familiar with PDF (Portable Document Format). Well, now everything you see on an OS X screen is the result of millions of calculations by Quartz, which uses PDF as the basis for its imaging model. Quartz combines crisp graphics, anti-aliased fonts, 2D, 3D and QuickTime content together with transparency and drop shadows.

PDF is such an integral part of Quartz that Command-Shift-3 makes a PDF file for screen shots. Technically speaking, Apple's PDF is a superset of the Adobe PDF 1.3 specification, with some 1.4 features built in. Distiller is still required for fine tuned controls, but according to Apple, Quartz screen PDFs are full resolution and print-ready.

Jaguar optimizes Quartz to make the system more responsive. You'll detect a small improvement if you have a Power Mac G3 processor, and you'll notice faster window redraws and scrolling with a G4 processor, especially if you have dual G4 processors. But the real advancements in Jaguar come with Quartz Extreme.

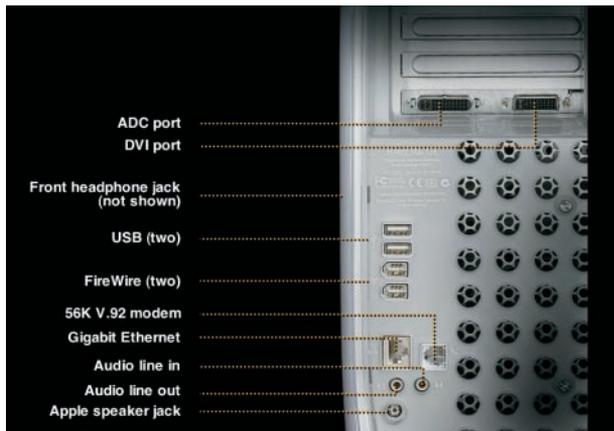
If you have a graphics card which is supported, Quartz Extreme will tell the card to perform the on-screen calculations. I definitely found a dramatic improvement in system performance.

The latest Power Mac line delivers ad-

vanced graphics cards from ATI and NVIDIA. Included with the dual 867 MHz system is the NVIDIA GeForce4 MX card with 32MB of fast DDR SDRAM. This card was offered as the high-end graphics solution in the previous Power Mac line. The dual 1GHz and dual 1.25GHz systems include the ATI Radeon 9000

Pro graphics engine. It supports programmable graphic effects that allow application developers to invent new effects which are rendered in real-time using the graphics processor instead of the main system CPU.

And for those of you who want the highest performance, you can choose the NVIDIA GeForce4 Ti graphics card that



features a large 128MB DDR SDRAM frame buffer to accelerate sophisticated game and design applications. It's also programmable and delivers advanced capabilities that developers can tap into to create life-like imagery and graphics.

Dual display capabilities are now built into every Power Mac G4—yes, that's right, one card will run two monitors. In extended desktop mode you can work across two displays. Desktop publishers could have their InDesign documents open in double-page display set up on one monitor and on the other they could be editing Photoshop images. The graphics cards are equipped with an ADC port for connecting an Apple display or a DVI port for a second digital display. DVI to ADC

and DVI to VGA adapters are available to connect almost any type of display you currently have.

**A HEADPHONE JACK AT THE FRONT OF THE COMPUTER — IT'S ABOUT TIME!**

My hat is off to whomever made the suggestion to Steve to put in a front headphone jack for easy access to attach headphones. Crawling behind the computer with a light and a magnifying glass was a real pain. But while you're behind your computer, you'll be pleased to find dedicated stereo audio line in and line out ports for connecting professional devices such as tape decks, mixers and amplifiers. It's also equipped with a separate Apple speaker minijack for attaching Apple Pro Speakers and powering them with a built-in 10-watt-per-channel digital amplifier. Apple is finally thinking about pro audio without added PCI cards.

A new 56K modem supports V.92 modem functionality, such as "Modem on Hold", to answer incoming telephone calls.

Ethernet operates at 10, 100, or 1000 Mbps, and automatically senses and adjusts to the user's network type. Now users can even connect directly to another computer with a standard Ethernet cable to share files; the system will automatically adjust for the other signal without the need for a crossover cable.

Apple's AirPort networking system is gaining acceptance, especially with people who have portable computers. An AirPort antenna and card slot are built into the Power Mac G4 so users can surf the web without wires just by installing an AirPort card and connecting an AirPort base station to a phone jack or Ethernet network.

Apple also added more expansion bays for up to half a terabyte of storage via four internal hard drive bays with dual ATA buses. By using all four drive bays, you can have up to 480GB of internal storage. With an Ultra160 SCSI PCI card, these could also be fast SCSI drives—perfect for uncompressed video editing.

With the addition of the new ATA/100 bus and higher performance drives, both read and write performance has increased by 45%. This is mainly because of the additional write caches in the new generation of drives. Write performance has increased in line with read performance.

If you really want to make your drives perform, Mac OS X RAID is included with every Power Mac G4 system as a standard feature of OS X. You can use multiple hard drives for increased drive performance, known as striping. When you stripe your drives, data is written (and read) to alternating drives, allowing faster reads and writes.

You can also set up the drives for data redundancy, known as mirroring. In this case, both drives have the exact same data, so if one drive should fail, the other can replace it immediately. It's a good thing to think about if you are a little lazy about backing up your projects on CD or DVD.

But my absolute favorite feature in the

new G4 is still the SuperDrive—a drive that really “rips and burns”. This has been a real winner for Apple because it allows you to read, author and burn not just CDs but also DVDs that can play in consumer DVD video players.

And now that Apple has added a second optical bay, you can add a Combo drive that has CD-R and DVD playback. If you backup your projects to CD or DVD, you can now duplicate them directly from your backup disk. If you're running OS X, you can do all of this while working on other projects because OS X allows multi-tasking.

#### **BUT WHAT ABOUT THE G5?**

With all these new features, a stable OS, and almost all major applications now written for OS X, it's hard to find an excuse not to fork out the bucks and get the computer that you've been waiting for.

Oh, yeah—I can just hear you—QuarkXPress isn't OS X, or you can't af-

ford to upgrade to the latest native versions, or you'll wait for the G5, or there might be a war with Iraq, or you simply don't want to learn a new operating system and your wife is saying, “What's wrong with the computer you just bought last year?”

All may be valid points—but, hey, I know a lot of people who have switched from PC to Mac, and they're starting with OS X and a brand new Mac. They know nothing about a Chooser or bombs or extensions. Do you want these ex-PC people teaching you how to work a new Mac a couple years from now? You'll hear comments like, “You're still using only one processor?”

Have you lost your “Mac” head? 🍌

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# original



# creativesource

Illustration by Brad Forsyth  
[www.bradforsyth.com](http://www.bradforsyth.com)

[www.creativesource.ca](http://www.creativesource.ca)

## Sorenson Media releases updates for Squeeze and Vcast

Sorenson Media has updated Sorenson Squeeze (for Macromedia Flash MX and QuickTime), a compression tool that accesses the advanced features of the new Sorenson Spark Professional video codec, and Sorenson Vcast, a live and on-demand video Webcasting service.

The update offers expanded import file formats, SWF file stitching that enables play of long video movies in Macromedia Flash Player 6, Vcast delivery support for Microsoft Producer files, One-Pass Variable Bit Rate (VBR) encoding, and sup-



port for "edge" delivery of longer SWF files. The new version of Squeeze also promises improved DV capture, an improved video filter preview and keyframe interval control. The updated Vcast also offers multiple Content Delivery Network (CDN) uploading (if the upload fails for one CDN the asset is pushed to different CDN), code snippets generation, a directory upload feature (for those wanting to serve up entire Web sites), and an asset hit history displayed in the asset list.

Vcast is a service that will allow users to register online and send video (live or on-demand) to anyone in the world. After downloading the Vcast client and filling out an online registration form, a user can stream live video from a camera connected to their computer, or compress existing video content. The content is then posted to the Internet for Vcast to stream. The total cost of the broadcast is based on the number of viewers the user anticipates will watch the event.

Sorenson Squeeze for Macromedia Flash MX 2.02 and Sorenson Squeeze for QuickTime 2.02 are available now for Mac OS 9.2 and OS X at a suggested retail price of US\$119. A standard or customizable Sorenson Vcast account can be established online with pricing starting at US\$25 per month.

## Sony multifunction 17" flat panel display priced at US\$1000



Sony has just announced the SDM-V72W, a new 17-inch multi-function flat panel display that it says is ideal for gaming, computer use or use as a home entertainment monitor for a DVD player.

The new display is Mac and PC compatible and handles up to four external devices. It includes a remote control that enables you to switch between input sources. The display can swivel 150 degrees horizontally and 120 degrees vertically.

The SDM-V72W has a 16:9 aspect ratio and can display 16.2 million colors. When working with a computer it features a native aspect ratio of 1280 x 768 pixels.

The Sony SDM-V72W carries a price tag of about US\$1,000. Check out [www.sonymstyle.com](http://www.sonymstyle.com) for more details.

## Media 100 i upgrade supports Jaguar and dual processor Macs



Media 100 Inc. has released Media 100 i version 8.0.1, the latest version of its digital video editing software. The new version has been updated to support Mac OS X 10.2, "Jaguar."

Media 100 i has been certified to work on Apple's newest dual processor Power Mac G4 systems running at 867MHz and 1GHZ respectively, and the developer said that both systems offer "notable performance increases." The 8.0.1 update is available as a free download for any Media 100 i 8.0 user.

Media 100 i is available in various configurations ranging from Media 100 i/DV for US\$1,995 all the way up to Media 100 i/xr available for US\$14,995. Surf to [www.media100.com](http://www.media100.com) to find out more.

## Poser 5 for Windows is out, Mac version slated for fall

Curious Labs has begun shipping the Windows version of Poser 5, the new version of its 3D-character animation tool. A Mac version is promised this fall.

Poser 5 features a "FireFly Renderer," a hybrid micro-polygon and Ray Trace render engine with subdivision surface rendering of polygons. It also includes all new 3D human figures with fully articulated hands and feet, featuring photorealistic texture maps and facial morphs from Runtime DNA. The street price on is US\$349.

See [www.curiouslabs.com](http://www.curiouslabs.com) to get the complete story.

## ITC announces ITC 1500 Library available by late October

International Typeface Corporation has just released the ITC 1500 Library, a collection of 1,579 fonts, with over 650 exclusives. A large collection of new styles are debuted, including Tabula, Oldrichium, Batak, Tickle, Cinderella and Jeepers. The complete ITC 1500 Library can be viewed at [www.itcfonts.com/new/1500](http://www.itcfonts.com/new/1500).

The single CD-ROM of Macintosh and Windows typefaces includes licensing for 20 users and is available at an introductory price of US\$4,999.

## German developer offers compression tool for Quartz PDFs

Metaobject has released PdfCompress 1.0, a compression tool for Quartz PDF files. Metaobject says that PdfCompress applies JPEG compression to photographic images contained in PDF files, reducing the size of PDF files produced by Mac OS X that contain images by up to a factor of 10. PdfCompress can be run from the Finder's Contextual menu or by dragging and dropping items onto the application's icon.

PdfCompress is compatible with Mac OS X 10.2 (Jaguar) and is available at a cost of US\$25 per seat. Get more information from [www.metaobject.com](http://www.metaobject.com).

## Special Report

# Armour-piercing Jaguar tricks fun and free

by Ben Brill

There's lots to love in Jaguar aka OS 10.2—Quartz Extreme not only speeds up graphics but also takes a load off the processor. But, troublemakers that we are, let's start playing with it.

This time around, I want to touch on a couple of different avenues for spicing up your system—one for streamlining operations and one for being just plain cool.

## COOL SCREEN TRICKS

Macs are notorious for being cool. That said, here's a really neat way to show off your souped-up Mac to all your friends. This trick will work a lot better running Quartz Extreme (see [www.apple.com](http://www.apple.com) for more info).

What we're going to do is temporarily route your background resource over to your screen saver. Also, I think the most visually impressive screen saver out there is Flurry, so that's the one I'd personally choose in the Screen Effects preference pane before doing this.

**Step 1** The first thing you'll want to do is locate the following file: `System/Library/Frameworks/ScreenSaver.framework/Version/A/Resources/ScreenSaverEngine.app/Contents/MacOS/ScreenSaverEngine`

Note: When you're at "ScreenSaverEngine.app" you'll need to control-click the file and click "show package contents".

**Step 2** Open a new terminal window and drag-and-drop this file into it, or type the path in—your choice.

**Step 3** Put a space after the file path, then type `-background &` and hit the return key.

**Step 4** Woohoo! Impress somebody.

**Step 5** When you want to stop this wonderful show and get back to work, restart, logout, or type `top` into the terminal. Then look for `ScreenSaver`, and take note of the (process) number on the left. Hit control-C to exit `top` and type in `kill [process number]`.



Now—let's say you're a network administrator, and you'd like to add a Tornado warning to your log-in window. Here's how.

This neat function will display any text you want in a box that's at the top of the OS X login window.

**Step 1** Open a new terminal window and type: `sudo pico/Library/Preferences/com.apple.loginwindow.plist`

**Step 2** Enter your admin password.

**Step 3** Go to TextEdit or equivalent, and put: `<key>LoginwindowText</key><string>[any text]</string>`

**Step 4** Scroll down in the terminal window one line past the first `<dict>` tag and copy in step 3.

**Step 5** Hit Control-X, then Y, and return.

**Step 6** Logout to see the effects.

Next, let's talk about a few handy Jaguar add-ons that might save you a few precious seconds every day.

## PRODUCTIVITY FOR \$0

Here are some bits of great freeware I picked up ([www.versiontracker.com](http://www.versiontracker.com) carries tons of new and useful software).

**Meteorologist** is an awesome little weather program that can display the current temperature, humidity, wind, pressure, UV index, a handy long-range forecast—all under a small icon on the menu bar or dock. It can rotate through multiple locations and best of all—it's free.

<http://homepage.mac.com/fahrenba/meteo/meteo.html>

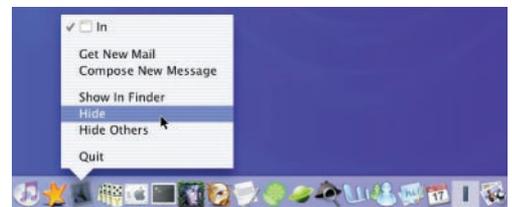


**Prefling** is a docking that allows quick and easy access to all your system preferences. By clicking on this dock item you have a list of all the system preference panes. It tends to be faster if you know what you're looking for. And once again, it's free!

<http://homepage.mac.com/asagoo/prefling>

**HidefromDock** is a nice little patch which when activated adds Hide and Hide Others to the list of options on dock items. Hide stuff without lugging that heavy mouse all the way to the menu bar! Pay nothing, get something.

[www.gwenhiver.net/applications/hidefromdock](http://www.gwenhiver.net/applications/hidefromdock)



See? That wasn't so tough. Time to play with the iTunes 3 Smart Playlist. 🎧

*Ben Brill has spent the last decade developing his skills as a Mac aficionado. Got a hint or hack you want to share? E-mail him at [ben@gxo.com](mailto:ben@gxo.com).*

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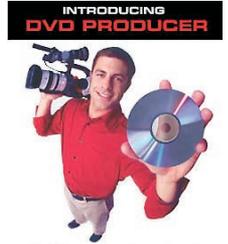
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# Z

## Real-time MPEG video compression, new menu tools and OpenDVD authoring in DVD Producer v3.5

Sonic Solutions has announced that it is ready to ship DVD Producer Version 3.5, the latest version of its professional DVD authoring system. DVD Producer features real-time MPEG compression of video and Dolby Digital audio, OpenDVD-compliant authoring, and Sonic's exclusive JumpAnywhere automatic DVD navigation programming. DVD Producer is available in both a software-only version, or a version tightly integrated with Sonic's SD-series hardware video encoding solutions.



New capabilities include menu design technology to create DVD menus that would typically require the use of separate graphics and video editing applications. The new design engine enables the automatic creation of animated-motion buttons with drag-and-drop simplicity, and incorporates a familiar text tool for creating button labels or menu headings with drop shadow effects. Version 3.5 also includes custom Jacket Picture creation, enhanced file transcoding functions, impressive speed enhancements, and a manual-button routing function for tailoring complex DVD menus.

For further details, go to [www.sonicolutions.com](http://www.sonicolutions.com).

## Eastman Kodak Introduces 4.0 megapixel digital zoom camera for under US\$500

Eastman Kodak Company has announced the LS443 Zoom Digital Camera, a 4.0 megapixel digital camera and the flagship model in its 2002 EasyShare portfolio.

The LS443, available at a suggested retail price of US\$499.95, boasts USB connectivity, a 3X optical lens and Kodak's EasyShare software, which, along with the on-camera "Share" button, is designed to simplify editing, organizing, e-mailing and printing of photographs. The camera also combines a Schneider 3X optical unit with Kodak's proprietary 3.3X Advanced Digital Zoom for close-ups. A 1.8-inch indoor/outdoor LCD screen lets you preview and review shots even in direct sunlight.



A feature dial accesses five scene modes: close-up, landscape, sport, night and movie. Other controls include a burst mode for high-speed sequence shooting and advanced auto focus options for low light and off-center subjects. The LS443 also offers a continuous video and playback option with a built-in speaker; it comes with 16MB of internal memory.

Mac system requirements are OS 8.6 or higher, including OS X; 128MB RAM for OS X or 64MB RAM for OS 8.6/9.x; a CD-ROM drive; and a built-in USB port.

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# The Shadow Knows



ITC must be very unhappy with Adobe now that the San Jose software giant has taken the fontmaker to court to enforce the right to embed fonts in PDF documents...What follows Jaguar? According to Think Secret, Apple's next OS upgrade will be called "Panther" -- meow...If you want to see how your mouse and future GUIs will change, check out "mouse gestures" at <http://optimoz.mozdev.org/gestures>...Hey, what gives with these new high speed discs that will fry your Pioneer DVD drive? Bummer...Trust Canadians to come up with an online Osama bin Laden game -- look for the second edition of Osama Bash, "Osama II - Showdown in Kabbareh", at [www.trinketbaron.com](http://www.trinketbaron.com)...Searching for your digital Seoul? It's in South Korea, where the government has hired a team from MIT to design the world's first "digital city", an electronic metropolis completely outfitted for the 21st century...Is Steve Jobs getting cranky in his old age? With OS 10.2 he killed off the old familiar Mac startup smiley face, and now his recent reversal of Apple's policy on sharing system API info will certainly upset many oldtime Mac lovers who liked to customize their desktops. Maybe he's just ticked about Business Week magazine choosing the board of directors for Apple and Gap the two worst in America -- both of which he sat on until recently resigning from the latter...Cheer up, Steve, Apple reported 100,000 sales of Jaguar in its first weekend of release...JVC and Hudson Soft have just announced "Root", a technology for making "uncopyable" CD-ROMs -- trouble is, who'd want to buy them?...And finally, Muller-Martini really wants customers to fall in love with its new Automatic Make-ready System -- its acronym is AMRYS...

## Nikon set to deliver 3.2 megapixel Coolpix 3500 digital camera with zoom in November for US\$400

Nikon will deliver its new Coolpix 3500, a 3.2 megapixel digital camera compatible with USB-equipped Macs and PCs, in November, according to a company announcement.

The Coolpix 3500 includes a 3x optical zoom Nikkor lens with a range of 37-111mm as well as built-in speed-light and red-eye reduction. It sports an inner-swivel lens design similar to the Coolpix 2500 model, which makes it possible to shoot from various angles, and also helps to protect the lens from damage when not in use. The new camera has Automatic and Continuous shooting modes, along with 12 pre-programmed Scene modes that adjust exposure and other settings automatically. It can record 15 seconds of video at 15 frames per second, in QVGA format.

The Coolpix 3500, priced at US\$399.95, is powered by a rechargeable Lithium-Ion battery. Get additional information from [www.nikon.com](http://www.nikon.com).



## ACDSee 5.0 starts and runs faster, features more advanced image management tools

ACD Systems International announced the availability of ACDSee 5.0. ACDSee 5.0 offers faster start-up time and faster viewing and browsing of digital images and photos.

New features in ACDSee 5.0 include Calendar View, which lets users search for images taken on selected days, months, or years; Image Grouping, the ability to group images in multiple categories; and customizable toolbars and window layouts.

ACDSee 5.0 is priced at US\$49.95. Recommended system requirements include Pentium processor or above, with MS Windows 98, ME, NT 4.0 Service Pack 6, 2000, XP; 64 MB RAM, 40 MB free disk space; and Internet Explorer 4.0.2 or later.

## Free Enfocus Certified PDF Reader lets clients review print job preflight and correction logs

Enfocus Software has unveiled its free Certified PDF Reader, a plug-in for both Adobe Acrobat Reader and the full version of Adobe Acrobat which enables anyone to check the Certified PDF status of a file. The Enfocus Certified PDF Reader is now available as a free download from [www.enfocus.com](http://www.enfocus.com).

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