



MAC FACTS

from

Mac Help Desk

SUPPORT, SALES, TRAINING & SERVICE

(972) 783-9787 • (214) 249-9543 - *Pager*

NEW e-mail address - machelpdesk@comcast.net

Web site - <http://www.machelpdesk.com>

a Macintosh Solutions Provider company

Volume 13, Number 7

July 2003

A Message from Dru

Lotsa stuff. Lots going on in the Mac world. If you haven't heard as yet, Apple recently introduced the G5, a new operating System, *Panther*, an AV camera called, *iSight*, and *iChatAV* software, and much more. See Newsline for more info.

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Hope y'all had as great a 4th of July as I did. Great food, friends, and some of the best fireworks I've seen in years.

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Garage Sale - we're cleaning out our garage. It's a combination of the Richman's and Mac Help Desk. Just about everything from Mac Help Desk will be given away FREE on a 1st come basis. Most of it is old. Most works. Included are 21" greyscale monitors, cables, software, etc. It all goes! On the Richman side - Clothes, household goods, furniture, miscellaneous, musical instruments, and more. Sale starts at 8:30 am and goes to 3 pm. Saturday July 12th. Rancho Richman is at 1502 Jennifer Street, Richardson, Tx. Go 'round back and ask for Carol. ☺

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The Honda Cog - Ever wonder what a group of bored automotive engineers and ad execs would do if you sat them in a big room with a car and a video camera?

Honda Cog is a commercial for Honda's Accord Wagon, a model reserved for the European market. The commercial was shot in one take, after 606 attempts to get it right. You simply have to see it to understand how cool it is. Normally, of course, we wouldn't direct you to something as crass as a commercial, but that's just how cool this is.

The commercial will not be shown on American TV because Honda officials don't think the commercial says enough to American viewers. Fortunately, however, it is in the process of sweeping the Internet. To view it in Quicktime, go here - <http://www.beam.tv/beamreels/beamreel.php?dzjgijxl>

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Mail to: Safari! Running Apple's web browser Safari? Want to add a 'Mail to' button to the Bookmark Bar so you can e-mail web pages easily? Here's how - Just copy the following text, and paste it into your address window. Then drag it to your bookmark bar (and name it Mail To:). When you click on 'Mail To:' a new e-mail message will be created by your default e-mail client

javascript:location.href='mailto:?SUBJECT='+document.title+'&BODY='+escape(location.href)

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How To: Sharing files with Windows (Part 1)

By: [Ryan Fitzgerald](#)

Unless you're isolated or just very lucky, chances are you are in contact with Microsoft Windows a lot, be it at school, at work, or basically anywhere. So, how do you grab that 4-page report from your brother-in-law's computer that is due tonight? Well, if you have OS X 10.2, you're lucky. In previous OS's, special software was usually required to share files and network Macs and PC's together. But Jaguar makes it relatively simple:

For the purposes of this article, you will be seated at your Mac seeing shared folders on the Windows PC. In part 2, we will see how to look at shared folders on the Mac from the PC.

Setting up:

1. Select which folder(s) to share on your Windows PC. Do so by right-clicking the folder, choosing "Properties" from the menu, click the "Sharing" tab, and check the "Share this folder on the network" box. Then choose a name for that folder on the network. Do this for all folders you want shared.

Connecting:

2. On your Mac, go the Finder and choose "Go -> Connect to Server." The PC(s) should show up in the list automatically.
3. Double-click the computer you want to connect to.
4. An authentication dialog should appear, which you type your name and password in. Click OK.
5. The SMB Mount dialog now appears. Select which shared folder or disk you want to view on your Mac and click OK.

You're in:

6. The folder or disk you selected should appear on your desktop and you can now treat it like any other Mac. Drag files back and forth and share away.

NEWSLINE

Apple Unleashes the World's Fastest Personal Computer-the Power Mac G5 First 64-bit Desktop Processor; First 1 GHz Front-Side Bus

Apple® today unleashed the world's fastest* personal computer - the Power Mac® G5 - featuring the world's first 64-bit desktop processor and the industry's first 1 GHz front-side bus. Powered by the revolutionary PowerPC G5 processor designed by IBM and Apple, the Power Mac G5 is the first personal computer to utilize 64-bit processing technology for unprecedented memory expansion (up to 8GB) and advanced 64-bit computation, while running existing 32-bit applications natively.

“The 64-bit revolution has begun and the personal computer will never be the same again,” said Steve Jobs, Apple’s CEO. “The new Power Mac G5 combines the world’s first 64-bit desktop processor, the industry’s first 1 GHz front-side bus, and up to 8GB of memory to beat the fastest Pentium 4 and dual Xeon-based systems in industry-standard benchmarks and real-world professional applications.”

Delivering the industry’s highest system bandwidth, the Power Mac G5 line offers dual 2.0 GHz PowerPC G5 processors, each with an independent 1 GHz front-side bus, for an astounding 16 GBps of bandwidth. The line also features the industry’s highest bandwidth memory (400 MHz 128-bit DDR SDRAM with throughput up to 6.4 GBps); the industry’s fastest PCI interface available on a desktop (133 MHz PCI-X); and cutting-edge AGP 8X Pro graphics capabilities, all within a stunning new professional aluminum enclosure featuring innovative computer-controlled cooling for quiet operation.

The PowerPC G5 processor is a result of the strategic relationship between Apple and IBM. At frequencies up to 2 GHz, the PowerPC G5 introduces 64-bit processing technology to desktop computing, while also running 32-bit applications natively. The PowerPC G5 processor architecture is based on a completely new execution core that features massively parallel computation for an unprecedented 215 in-flight instructions, full symmetric multi-processing, two double precision floating point units and an optimized Velocity Engine™. The PowerPC G5 chips are fabricated in IBM’s \$3 billion state-of-the-art semiconductor facility in East Fishkill, N.Y.

The new Power Mac G5 is the world’s fastest personal computer based on SPEC® CPU 2000 benchmark results and leading professional application performance tests when compared against 3.0 GHz Pentium 4-based systems and 3.06 GHz Dual Xeon-based systems:

In the SPEC CPU 2000 independent testing comparing the Power Mac G5 against leading 3.0 GHz Pentium 4-based systems and 3.06 GHz Dual Xeon-based systems, the Power Mac G5 won three out of four key benchmark tests. All tests were run with the same industry standard GCC 3.3 compiler to insure a fair comparison;

Single processor tests results show the Power Mac G5 an impressive 21 percent faster than the 3.0 GHz Pentium 4-based PC on SPECfp_base2000, which measures single processor floating point performance, and 10 percent slower on SPECint_base2000, which measures single processor integer performance; and Dual processor tests results, which determine the fastest personal computer since dual processor systems are faster than single processor systems, are a clean sweep with the Power Mac G5 beating the 3.06 GHz Dual Xeon workstations by an incredible 41 percent on SPECfp_rate_base2000, which measures the total floating point throughput of the system, and edging out the same system by three percent on SPECint_rate_base2000, which measures total integer computation throughput.

In addition to outperforming Pentium 4- and Dual Xeon-based systems in industry-standard benchmarks, the Power Mac G5 ran significantly faster than Pentium 4 and Dual Xeon-based systems on performance tests of the most popular applications for creative professionals:

On a test of 45 commonly used actions, Adobe Photoshop ran twice as fast on the Power Mac G5 than on 3.06 GHz Dual Xeon workstations; Logic Audio on the Power Mac G5 can play nearly 40 percent more tracks with reverbs applied than Cubase SX running on a 3.06 GHz Dual Xeon workstation; and Genentech Blast runs up to five times faster on a Power Mac G5 than on a 3.06 GHz Dual Xeon workstation.

Complementing its computational power, the Power Mac G5 provides leading-edge expansion with dual 1.5 Gbps serial ATA interfaces; the industry’s fastest PCI interface available on a desktop with

a 133 MHz and two 100 MHz, 64-bit PCI-X slots; and AGP 8X Pro graphics capable of supporting the power and thermal demands of high-end professional graphics cards. The Power Mac G5 comes standard with either the NVIDIA GeForceFX 5200 or the ATI Radeon 9600 Pro graphics card. As a build-to-order option for unprecedented 3D design, visualization and gaming, the Power Mac G5 line also features the ATI Radeon 9800 Pro - a workstation-class graphics card featuring per pixel and vertex shaders, and providing an astonishing fill rate of 3 billion textured pixels/second.

The Power Mac G5 delivers industry-leading connectivity and high-performance I/O for creative professionals with Gigabit Ethernet, FireWire® 800, two FireWire 400 ports, three USB 2.0 ports, dual display support, optical digital audio input and output, analog audio input and output and a headphone jack. The system also supports 54 Mbps AirPort® Extreme wireless networking and is Bluetooth ready for wireless connections to a host of Bluetooth-enabled peripherals.

The Power Mac G5 features a stunning new anodized aluminum alloy enclosure, designed to meet the needs of the most demanding professionals. The new enclosure is built around four independently controlled thermal zones for advanced airflow management, with fans in each zone that are individually controlled based on a sophisticated combination of thermal and power monitoring, resulting in the Power Mac G5 running two times quieter than the previous Power Mac G4. The G5 enclosure also features an easy-to-open access panel allowing quick access to internal components for tool-less installation of memory, hard drives, optical drives or an AirPort Extreme card. Front and rear handles allow professionals to rapidly and safely move Power Mac G5s when and where they need them, and front-mounted FireWire, USB2, and headphone ports provide convenient access for popular peripherals.

Pricing & Availability

The Power Mac G5, with a suggested retail price of \$2,999 (US), includes:

Dual 2.0 GHz 64-bit PowerPC G5;
Dual Independent 1 GHz front-side buses;
512MB 400 MHz Dual Channel (128-bit) DDR;
8 DIMMs, 8GB maximum memory;
160GB Serial ATA hard drive;
AGP 8X Pro graphics slot;
RADEON 9600 Pro-64MB DDR;
3 PCI-X slots (one 64-bit 133 MHz, two 64-bit 100 MHz); and
4x SuperDrive™.

The Power Mac G5, with a suggested retail price of \$2,399 (US), includes:

1.8 GHz 64-bit PowerPC G5;
900 MHz front-side bus;
512MB 400 MHz Dual Channel (128-bit) DDR;
8 DIMMs, 8GB maximum memory;
160GB Serial ATA hard drive;
AGP 8X Pro graphics slot;
NVIDIA GeForce FX 5200 Ultra-64MB DDR;
3 PCI-X slots (one 64-bit, 133 MHz, two 64-bit 100 MHz); and
4x SuperDrive.

The Power Mac G5, with a suggested retail price of \$1,999 (US), includes:

1.6 GHz 64-bit PowerPC G5;
800 MHz front-side bus;

256MB 333 MHz Dual Channel (128-bit) DDR;
4 DIMMs, 4GB maximum memory;
80GB Serial ATA hard drive;
AGP 8X Pro graphics slot;
NVIDIA GeForce FX 5200 Ultra-64MB DDR;
3 PCI slots (64-bit, 33 MHz); and
4x SuperDrive.

The Power Mac G5 line will be available in August and will ship with Mac® OS X “Jaguar” with Mail, iChat™, Safari™, Sherlock®, Address Book, QuickTime®, iLife™ (includes iTunes®, iPhoto™, iMovie™, and iDVD™), iSync, iCal™, DVD Player, Classic environment, Acrobat Reader, Art Directors Toolkit, EarthLink, FAXstf, FileMaker Pro Trial, GraphicConverter, Microsoft Internet Explorer, Microsoft Office v. X Test Drive, OmniGraffle, OmniOutliner, QuickBooks for Mac New User Edition and Developer Tools.

The Power Mac G5 will be available in build-to-order configurations through the Apple Store® (www.apple.com). Options include up to 8GB of RAM, 250GB hard drives, Combo drive, graphics cards (NVIDIA GeForce FX 5200, ATI Radeon 9600, ATI Radeon 9800), AirPort Extreme Card, Bluetooth module and an Apple Fibre Channel PCI Card.

* “World's fastest” based on SPEC CPU 2000 benchmark results and leading professional application performance tests against 3 GHz Pentium 4-based Dell Dimension 8300 and 3.06 GHz Dual Xeon-based Dell Precision 650. SPEC CPU 2000 benchmarks run with GCC 3.3 and independently tested; professional applications tested by Apple, June 2003.

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Apple Previews Mac OS X “Panther” More Than 100 New Features Push “Panther” Way Ahead of Competition

Apple® today previewed Mac® OS X version 10.3 “Panther,” the next major version of Mac OS X that will ship by the end of this year. The fourth major release of Mac OS X in four years, Panther sets a new gold standard for desktop operating systems with more than 100 breakthrough new features including a completely new Finder™; Exposé, a revolutionary new way to instantly see all your open windows at once; and iChat™ AV, a complete desktop video conferencing solution for business, education and consumers.

“With Jaguar, we moved ahead of the competition. With Panther, we’re widening the gap,” said Steve Jobs, Apple’s CEO. “With over 100 new features, including some real blockbusters, Apple is again the industry innovator in operating systems.”

Panther features a completely new Finder that puts a user’s favorite folders, hard drive, network servers, iDisk and removable media in one convenient location, providing one-click access to everything a user needs. The redesigned Finder also features lightning-fast search, colored labels for fully-customized organization of documents and projects and dynamic browsing of the network for Mac®, Windows and UNIX file servers.

Panther also features Exposé, a revolutionary new way to instantly view all open windows and choose any of them to be on top. Exposé visually unshuffles overlapping windows on the desktop into an organized view so a user can quickly find and select the window they want. Exposé will even temporarily clear the desktop of all windows, so users can get to any file on the desktop previously hidden by the open windows. Powered by the Mac OS X Quartz™ graphic engine, Exposé is a major advance in user interface design that will change the way people work with multiple files, applications and projects.

Building on the success of iChat, Panther extends instant messaging to the next level with iChat AV. With full-screen, full-motion video over broadband, crystal-clear audio over 56K modem and a familiar easy-to-use interface, iChat AV makes natural conversations over the Internet immediate and effortless.

In addition, Panther includes FileVault, a new feature that secures the contents of a home directory with strong 128-bit AES encryption. With FileVault, users can select to have their whole home directory encrypted automatically so it encrypts and decrypts files on the fly, without interrupting their work. For mobile users, FileVault provides a new level of security on the road so if anyone ever tries to access a user's account or if their notebook is lost, important data is always protected by high-security encryption.

Panther also includes new features that make it even easier for Macs to co-exist in Windows networks including an IPSec-based VPN for Microsoft and Cisco networks, support for ActiveDirectory and SMB-based home directories on Windows servers and enhanced Windows integration within the Finder that enables printing to shared printers.

Mac OS X is the world's most popular UNIX-based operating system and Panther adds system-wide advancements to UNIX-based technologies including X11 for Mac OS X, major performance improvements to NFS, a ports manager for accessing open source projects, expanded Kerberos support, an integrated IPv6 networking stack and the ability to access Quartz graphics from Python programs.

Additional new features in Panther include:

an enhanced Mail application that organizes email into convenient threads with drag-and-drop addressing and a Safari™-based engine for displaying HTML formatted email; Fast User Switching, allowing users to share a single Mac and quickly switch between accounts without having to quit running applications and completely logout of the system; Pixlet, the first studio-grade codec for filmmakers that was developed in conjunction with Pixar to deliver breathtaking HD-quality video on the Mac that is free from visual artifacts; a fully integrated iDisk that increases productivity by automatically syncing a user's offline work to their .Mac Internet server storage once they're online again, so users can work locally on files with hard drive speeds and have them synced automatically back to their iDisk later; integrated faxing synched with the Address Book so sending and receiving faxes is as easy as printing, and includes support for adding cover pages; Font Book, a new application that provides system-level font management with double-click font preview, one-click installation and an intuitive iTunes®-like interface for managing font collections, and searching, activating and deactivating fonts; and a significantly improved Preview application that is the world's fastest PDF reader with super-fast text searching that builds an instant index of search results in a PDF, text selection and copying, URL support and support for the PDF 1.4 format. Preview leverages powerful improvements to Quartz filtering technology such as colorspace conversion, image sampling and compression for advanced PDF workflows.

Pricing & Availability

Mac OS X version 10.3 Panther will be available by the end of this year through the Apple Store® (www.apple.com), at Apple's retail stores and through Apple Authorized Resellers for a suggested retail price of \$129 (US).

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Apple Introduces iChat AV and iSight
Video Conferencing for “The Rest of Us”

Apple® today introduced a major breakthrough in video conferencing—the iChat™ AV software application and the iSight™ digital video camera. Together they enable high-quality video conferences between two Mac® users over any broadband connection, revolutionizing the way people communicate with business associates, colleagues in education, friends and family. iChat AV also features audio conferences even over dial-up connections to the Internet. iChat AV requires no set up or configuration beyond installing the software and plugging in any FireWire® video camera and microphone. Buddies with audio or video conferencing capability automatically show up in your buddy list, and initiating a video or audio conference is as simple as pushing one button. iChat AV is a key feature of the upcoming release of Mac® OS X version 10.3 “Panther,” and is available as a public beta today for Mac OS X version 10.2 “Jaguar.”

While iChat AV works with any FireWire video camera, Apple’s iSight digital video camera was designed for video conferencing, delivering sharp images and clear sound through its built-in, dual-element noise-suppressing microphone. Smaller and lighter than most cell phones, iSight has a unique center mount design which allows video conversations to be far more engaging and natural. iSight is available today and demonstrates Apple’s unique ability to create a tightly integrated hardware and software solution.

“iChat AV is a major breakthrough in communications - users can now video conference with their business associates, colleagues in education, friends and family with just the push of a button,” said Steve Jobs, Apple’s CEO. “iChat AV and iSight truly offer video conferencing for the rest of us, and since they were designed with Apple’s legendary ease-of-use, anyone can set them up in under five minutes.”

Building on the success of the iChat instant messaging application in Mac OS X, iChat AV extends instant communication to the next level with the world’s best personal video conferencing application. With high-quality, full screen, full motion video over broadband, crystal clear audio over 56K modem and a familiar easy-to-use interface, iChat AV makes natural conversations over the Internet immediate and effortless. Automatic display of video and audio icons within the familiar iChat buddy list instantly identifies buddies with video or audio conferencing capabilities so conversations can begin at the click of a button from the office, home or anywhere.

Featuring Apple’s legendary design and ease-of-use, iSight is a small, light and incredibly portable aluminum alloy camera that features a custom designed lens with auto-focus and a high-end CCD sensor to provide high-resolution images and full-motion video at up to 30 frames per second. iSight includes an integrated microphone that suppresses ambient noise for crystal-clear digital audio. With its on-board processor, iSight automatically adjusts color, white balance, sharpness and contrast to provide high-quality images with accurate color reproduction in any lighting conditions.

iSight is designed to be center-mounted on the top of any computer screen and uses its integrated tilt and rotate mechanism to easily position the camera for natural, face-to-face video conferencing. iSight is smaller and lighter than most cell phones and extremely portable. With all audio, video and power provided by a single FireWire cable, simply clipping the compact iSight camera to any PowerBook® G4 or iBook® for convenient on-the-go video conferencing, makes it easy for travelers to keep in touch with family, friends and business associates while they are on the road.

Pricing & Availability

The time-limited iChat AV public beta is available immediately for free download at www.apple.com/ichat, and requires Mac OS X version 10.2.5 “Jaguar.” Video conferencing requires a PowerPC 600 MHz G3 or greater Macintosh® computer. The final version of iChat AV will be included as a key feature of the upcoming release of Mac OS X version 10.3 “Panther” and will also be downloadable from Apple for \$29.95 (US) as a standalone upgrade for users of Mac OS X v10.2.5 “Jaguar” or later.

The iSight video camera is available today through the Apple Store® (www.apple.com), at Apple's retail stores and Apple Authorized Resellers for a suggested retail price of \$149 (US). iSight requires the iChat AV public beta and Mac OS X v10.2.5 "Jaguar" or later.

Mac OS X v10.2 "Jaguar" requires a minimum of 128MB of memory and is designed to run on the following Apple products: eMac™, iMac®, iBook, Power Macintosh® G3, Power Mac® G4 and any PowerBook introduced after May 1998.

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iTunes Music Store Hits Five Million Downloads Apple to Ship One Millionth iPod This Week

Apple® today announced that music fans have downloaded over five million songs from the iTunes® Music Store since its launch eight weeks ago today. In addition, over 46 percent of the songs have been purchased as albums, and over 80 percent of the over 200,000 songs available on the online store have been purchased at least once. Apple also announced that it will ship its one millionth iPod™ this week. Apple introduced the third generation of its ultra-portable digital music player in April, and it has become a huge hit with music lovers worldwide.

"The iTunes Music Store is changing the way people buy music," said Steve Jobs, Apple's CEO. "Selling five million songs in the first eight weeks has far surpassed our expectations, and clearly illustrates that many customers are hungry for a legal way to acquire their music online."

"The iTunes Music Store has defined what it means for people to have music instantly - and legally - at their fingertips," said Doug Morris, Universal Music Group's CEO. "The iTunes Music Store is pushing us into the future of how music is produced and consumed."

"Apple has shown the music industry, artists and consumers that there is a successful and easy way of legally distributing and obtaining music over the Internet," said Roger Ames, Warner Music Group's chairman and CEO. "Everyone in our industry is looking for a solution and Apple is leading the way with the iTunes Music Store."

The iTunes Music Store lets customers easily search a broad catalog of over 200,000 tracks to instantly locate any song by title, artist or album. With just one click, they can purchase the songs they want and download them directly into their iTunes 4 music library for just 99 cents per song, without any subscription fees. Songs are downloaded in pristine digital quality and can be burned onto an unlimited number of CDs for personal use at no extra cost, played on up to three Macintosh® computers, listened to on an unlimited number of iPods, and used in other Mac® applications, including iPhoto™, iMovie™ and iDVD™. Thousands of new songs, new albums and exclusive tracks are added to the iTunes Music Store every week. PC users will be able to enjoy downloading songs from the iTunes Music Store when it is released for the Windows platform by the end of this year.

The new super-slim iPods store up to 7,500 songs in a stunning enclosure that is lighter and thinner than two CDs. iPod is the only portable music player with Apple's patent pending Auto-Sync, an innovative feature that automatically downloads entire music libraries into iPod and keeps it up-to-date whenever the iPod is plugged into a Mac or Windows PC. iPod features completely solid-state "no moving parts" navigation wheel and buttons; an elegant dock with audio out for fast and easy connection to a computer or stereo; an "On-The-Go" playlist so users can build a playlist right on their iPod; and a customizable main menu so users can promote the features they use most often to their top level menu. The iPod family includes a 10GB model for just \$299 (US), a 15GB model for \$399 (US) and a high-capacity 30GB model that holds up to 7,500 songs for \$499 (US).

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Mac virus is 78th in most common chart

Macs remain almost entirely free of virus threats, according to the latest figures from anti-virus specialist [Sophos](#) .

Although there are more than 60 known Mac-specific viruses, they barely register in users' experiences. In fact during the past six months, the most commonly reported Mac virus accounted for just 0.16 per cent of recorded infections and at number 78 in Sophos' chart of top viruses.

Since January 2003, the single most prevalent virus was the Bugbear-B worm, accounting for almost 12% of reports to Sophos. The worm tops the chart even though it was first seen just a few weeks ago, in early June. Its older sibling, Bugbear-A, generated a further 2.5% of enquiries.

For the first six months of 2003, the top ten viruses (as recorded by Sophos's technical support department) are as follows:

Position	Virus	Percentage of reports
1	W32/Bugbear-B	11.6%
2	W32/Sobig-C	9.7%
3	W32/Klez-H	8.4%
4	W32/Sobig-B	5.3%
5	W32/Sobig-A	3.3%
6	W32/Avril-B	3.2%
7	W32/Bugbear-A	2.5%
8=	W32/Avril-A	2.3%
8=	W32/Fizzer-A	2.3%
10	W32/Yaha-E	1.8%
All Others		49.6%

None of the top ten viruses can infect Macintosh computers. However Macs *can* be used as a conduit for mass mailing worms and pass them on unknowingly to Windows using friends or colleagues.

'Mass-mailing worms spread via the internet, forwarding themselves on to every email address they can find,' said Cluley. 'Worms don't know when they launch themselves whether they are being sent to an email address belonging to a PC or a Mac user. Many Mac users have found that their email inboxes are being filled up with PC worms which - although can do no harm on the Mac - are a nuisance to delete or may be manually forwarded on to unsuspecting PC colleagues.'

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Thanks for taking the time to read this month's newsletter. Hope you enjoyed it. If you have any comments or suggestions for stories (or would even like to write a story - hint, hint, hint), please send them to me at machelpdesk@comcast.net Feel free to share this newsletter with a friend. The newsletter archives are located at <http://www.machelpdesk.com/page6a.html>. Y'all come back now, y'hear!