

Technology - MacCentral

## ***Sony Takes Aim at iPod with New Hard Disk Walkman***

***By Martyn Williams, IDG News Service  
MacCentral***

Sony Corp has unveiled its first hard-disk drive-based digital music player to bear the Walkman name. The device was launched on Thursday as the Walkman brand marked its 25th anniversary.

The NW-HD1 features a 20GB hard-disk drive and is, according to the company, the smallest music player at this capacity. It measures 89 millimeters by 62.1 millimeters by 13.8 millimeters and weighs 110 grams.

The capacity is half that of Apple Computer Inc.'s highest capacity iPod, but Sony says its player trumps Apple's in terms of the number of songs it can store: 13,000 on the Walkman versus 10,000 on the iPod.

However, Sony's measurement is based on songs encoded using its ATRAC3 (Adaptive Transform Acoustic Coding for MiniDisc 3) compression system at the relatively low rate of 48Kbps while Apple's measurement is based on the AAC compression system

at 128Kbps. At the same bit rate, the Walkman can store around half as many songs as the iPod, which is consistent with it having half the storage capacity.

Sony said that in practice, it's the music quality that counts and that as ATRAC3 is more efficient at compression, it can get away with using a lower bit rate to deliver an equivalent quality.

The Walkman supports only Sony's ATRAC3 compression format, versions of which are used with Sony's MiniDisc players and its recently-launched Windows-only "Connect" online music store. Music files encoded in other formats, such as MP3, first have to be converted to ATRAC3 before they can be played and software to accomplish this is included. Transcoding typically results in some reduction in quality.

The sleek aluminum case features a 1.5-inch backlit display and the on-screen display language can be switched between Japanese, English, French, German, Italian and Spanish.

The player runs on an internal rechargeable battery and this will last for up to 30 hours when playing files encoded at the minimum supported bit rate of 48Kbps, according to Sony. This falls to 27 hours when listening to files encoded at 64Kbps or 128kbps.

***Con't on page 2, iPod Challenge***



<b>————— KMUG MONTHLY MEETING —————</b>	
<b>Luncheon</b>	<b>Evening</b>
Third Thursday of each month at 10:30 A.M. Solarium Room, All Star Lanes, Myhre Road, Silverdale (one block East of Silverdale Way)	First Thursday of each month at 6:30 P.M. Solarium Room, All Star Lanes, Myhre Road, Silverdale (one block East of Silverdale Way)

***KMUG's home page is now at:***

# *WWDC: Apple Design Award*

## *Winners Announced*

*By Peter Cohen MacCentral*

On Wednesday (June 30), Apple announced the winners of its ninth annual Apple Design Awards, in conjunction with Apple's Worldwide Developers Conference (WWDC), which is happening this week at the Moscone West convention center in San Francisco, Calif. The Design Awards reward Mac developers with free equipment and recognition for their efforts. This year's ninth annual Apple Design Awards were broken into three categories: Application Software, QuickTime Content and Performance Demos.

Apple awarded ten winners and ten runners up in the Application Software category, with awards given for Best Mac OS X Product, Best Product New to Mac OS, Most Innovative Mac OS X Product, Best Mac OS X User Experience, Best Mac OS X Technology Adoption, Best Mac OS X Open Source Product, Best Mac OS X Server Solution, Best Mac OS X Entertainment Product, Best Mac OS X Scientific Computing Solution, and Best Mac OS X Student Product. Winners included Freeverse Software's Big Bang Chess (in two categories) and ToySight, Macromedia's Contribute 2, Pixelglow's GraphViz, Unreal Tournament 2004, INquiry and many others.

Awards were also given for best QuickTime Content for Education, Promotion and Entertainment, with awards going to Conflict labs, Bluish, Ltd. and Barsark AB. And awards for Performance Demos were given to ATI Technologies inc. and Advanced Analytic System Design Inc.

More details and links to many of the winners can be found at the Apple.com web site. ●

## *Con't from page 2, iPod Challenge*

Battery life has been one of the biggest complaints that users have had about the iPod and so its no surprise that the Walkman beats Apple's quoted "up to 8 hours."

Sony plans to put the NW-HD1 on sale in Japan on July 10 for ¥53,000 (US\$490), in the middle of August in the U.S. for less than US\$400, and later this year in Europe.

While the device is the first hard-disk drive based model to carry the Walkman name, it's not Sony's first hard-disk drive based media player. The company has already launched four such devices -- three under its own name and one under its Aiwa brand -- in the last nine months as it attempts to make a name for itself in the digital music player market.

One of the most recent to be launched was the Vaio Pocket. It went on sale in Japan in June and features a specification close to that of the new Walkman: the same size hard-disk drive, the same support for ATRAC3 only, and the same price.

What makes the two different is a better tolerance on the part of the Walkman model for use on the move, said David Yang, a spokesman for Sony in Tokyo. The Vaio Pocket can also be used as a portable picture album, which is a feature not present on the Walkman.

Sony isn't considering a version of the player with a smaller capacity hard disk drive, Yang said.

The Tokyo company is pushing a new version of its MiniDisc technology called Hi-MD at users who want to store less music. Each Hi-MD disc provides 1GB of storage space and costs around \$7, making it a cost-effective way to store small amounts of music, he said.

Sony may consider a model with a higher capacity drive. However, it needs to ensure there is a consumer need for such a product if it is to launch one, Yang said. ●

Book Review

# *The Art of Interactive Design*

by *Chris Crawford*

**This book review was written by Dick Nerf, KMUG's Web Page Developer and Ambassador to Apple.**

A "Read Me" page in the front matter of Chris Crawford's "The Art of Interactive Design" (ISBN 1-886411-84-0 No Starch Press 2003) says "This book will educate you, not train you.", and I think that is an accurate distinction, and perhaps a true statement. In general, anyone who has a broad interest in interactive design, whether as producer or consumer, could benefit from reading this book. If you want to be able to say more than you love/hate such-and-such an interface style, Crawford provides the background to do so.

My interest in this book was a side-effect of my presentation on the Unix underpinnings of OS-X that I made to KMUG. I had consulted Eric Raymond's "The Art of Unix Programming" for the history of Unix, and so enjoyed that book that I read it cover to cover. It was nice to get a broad overview of a computer topic, rather than the focused "XXX, The Missing Manual" sort that had been my recent computer reading material. When I saw a recommendation of Crawford's book in a magazine, I decided to try another "Art of XXX", with the hope that it might facilitate another Mac-related presentation. However, it's probably too complex for that.

From Internet reviews I was forewarned that Crawford's presentation style was controversial and, after the first chapter, I understood why. My guess is that he spends more professional time speaking than he does writing. The spoken word does not always transfer gracefully to the printed page. In a face-to-face presentation his humor might be dry, delivered with a twinkle in his eye, and confirmed by nods and laughter from his audience. On the

page, it's easy to read the same words as pompous and self-absorbed. Even assuming the latter represents the truth, from years of association with scientists I understand that even pompous people can have good ideas, so I soldiered on and found that he indeed had interesting ideas to offer.

Although the book is nominally divided into four parts: Fundamentals, Design Advice, Theory, Social and Artistic Issues, my breakdown would be Theory, Implementation, and Supporting Philosophy. In what follows, I will try to say who will find each part particularly valuable, and why.

As to theory: Mencken?, Twain?, Readers Digest? defined the self-made man as a triumph of unskilled labor. I'm a self-made interactive designer, because I've been writing interactive scientific programs since the late 60's, long before the concept of interactivity would have been a topic of serious analysis. My value judgments about the appropriateness in a given situation of various interactive techniques have long ago been compiled into intuitions that are not readily explicable, and I suspect that I am not alone in that. So Crawford's semi-quantitative analysis of the of

*Con't on page 5, Book Review*

*Mac Lab Meetings*

*MacLab meets during the regular school year.*

*Since school is now out for the summer. The next MacLab meeting will be in September 2004*

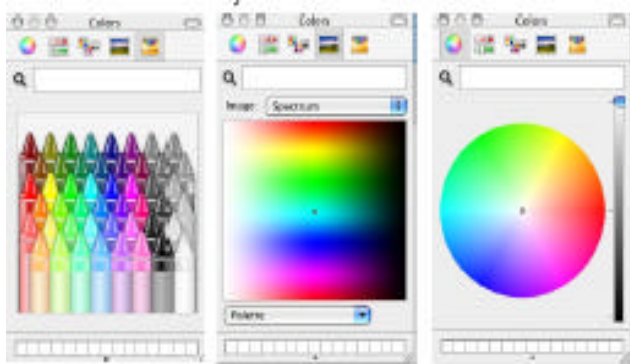
*From the DVMUG ApplePRESS*  
**Rick's Tips 'N Tricks**

*Rick Calicura,  
DVMUG President Emeritus*

**Tricks in TextEdit**

Most of you own a word processor, whether it be the expensive Microsoft Word or the ubiquitous AppleWorks or one of the several others available TextEdit, which comes with all Macs using OS X.x.x is a pretty respectable little word processor as well.

Here's a tip that I found accidentally, using TextEdit. I wanted to place one word in a document that was RED but there seemed to be no command to do that in TextEdit. Struggling through the Menu Bar I found, under FORMAT/FONT the command to SHOW COLORS (Shift, Command and C). Be sure



you select a word first.

There are several ways to select text colors  
Crayons      Spectrum      Colors

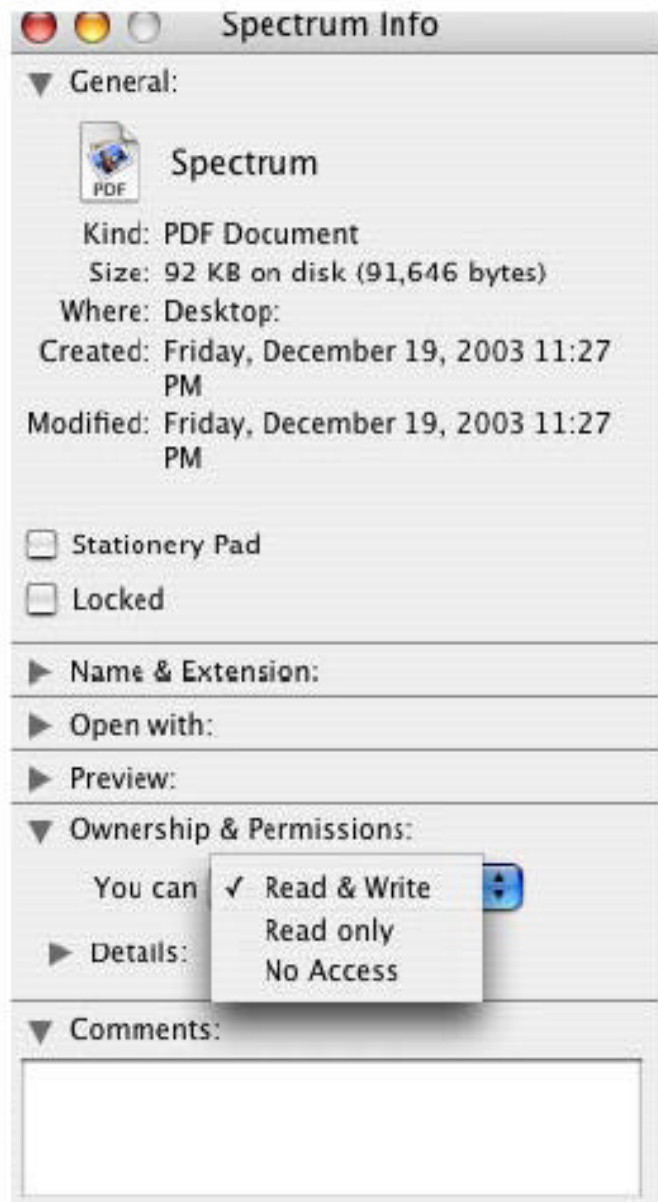
As far as I can determine this feature is undocumented, but it does allow you to colorize all or part of any text in your documents.

**Getting Permissions**

Lots of folks are concerned about OS X's system of Permissions. Yes, they can be a pain, and yes, they sometimes need to be repaired, but they can provide security and comfort for you as well.

Let's suppose that you have a file that contains critical information and that you do not wish to allow any changes to it. You can provide good security to prevent anyone making changes to that file by setting the permissions.

To do this, create a file or select an existing file. Single-click on it (we call that SELECTING it). It will be highlighted. (Once highlighted, the computer knows that this file is to be foremost in the battle for its attention.) With the file highlighted, hold down the Command key and strike the letter "i". This will bring up this box:



### **Con't from page 3, Book Review**

various techniques provides the seat-of-the-pants practitioner with an opportunity for introspection or a more convincing argument when confronting a scientific/engineering-based manager. For example, talking about the ratio of accessible to conceivable states, is more objective than simply saying I feel that a menu is preferable to a text field in this situation.

As to implementation: Crawford uses the listen-think-speak sequence to characterize the interactive experience. He rightly focuses on the information flow at each stage. I can't say whether his ideas have had impact since the book was published in 2002, or whether others have independently developed similar

---

### **Con't from Page 4, Tips 'N Tricks**

You can click and hold where it says "YOU CAN" to see the three choices. To make the file immune to changes, select READ ONLY, then close the window and nobody—including you—can change the contents. Simple, but very effective.

This article came from the Diablo Valley Macintosh User Group newlsetter ApplePress. ●

solutions, but much of what he advocates has made its way into the latest user-interface designs. However, he still has some ideas that need wider implementation. His prescriptions, for example, that program error messages take responsibility for any errors (rather than implicitly blaming the user), and suggest ways to recover from the condition (rather than simply stating what is wrong), are important reminders that users, not applications, programmers or designers are the center of the universe.

As to philosophy: I remember with chagrin, as a physics undergraduate pontificating about the uselessness of being required to study Aristotelian epistemology. Twenty years later I was seeking out a copy of Aristotle's "Categories" to try to puzzle out a subtle issue in database design. Crawford provides a wider context on interactivity that can show a hard-science practitioner that centuries of humanistic studies are relevant to current practice (and vice versa).

In summary, Crawford has provided an interesting overview of broad parts of the "cultural heritage" of interactive design, at the same time offering some guidance to a practitioner of the art. ●

---

### **Technology - MacCentral**

## ***Apple to Open Second Japanese Retail Store this Month***

***By Martyn Williams, IDG News Service  
MacCentral***

Apple Computer Inc. will open its second Japanese retail store later this month in the western Japanese city of Osaka, it said Thursday.

The new store will be situated in the Shinsaibashi

area of the city and will open on Aug. 28 at 10 a.m., the company said in a statement. The Apple Store Shinsaibashi is located near the major Daimaru department store and on the edge of the trendy American-mura district.

Osaka is Japan's second city and the largest in western Japan. It had a population of 2.6 million as of January this year and is situated near to Kyoto and Kobe, which each had a population of 1.5 million as of January this year, according to figures from Japan's Ministry of Public Management, Home Affairs, Posts and Telecommunications.

Apple opened its first international retail store in late 2003 in the Ginza district of Tokyo. Japan is one of Apple's largest overseas markets. ●

## ***Apple's Jobs Doing Well After Cancer Surgery***

***By Jim Dalrymple MacCentral***

Apple Computer Inc. CEO, Steve Jobs (news - web sites) told employees in an email that he has successfully undergone cancer surgery this weekend. Jobs was diagnosed with a rare form of pancreatic cancer, but is reportedly doing well after surgery.

"This weekend I underwent a successful surgery to remove a cancerous tumor from my pancreas," Jobs said in the note to staff. "I had a very rare form of pancreatic cancer called an islet cell neuroendocrine tumor, which represents about 1 percent of the total cases of pancreatic cancer diagnosed each year, and can be cured by surgical removal if diagnosed in time (mine was). I will not require any chemotherapy or radiation treatments."

Jobs explained in the email that his was not the more common form of pancreatic cancer is called adenocarcinoma, which has a life expectancy of about one year after diagnosis.

"I mention this because when one hears 'pancreatic cancer' (or Googles it), one immediately encounters this far more common and deadly form, which, thank God, is not what I had," said Jobs.

Jobs said he would take the month of August to recuperate and will return to work in September. During his absence, Jobs has asked Tim Cook to take over Apple's day-today operations.

In an interview with Bloomberg today Intuit Inc. Chairman and Apple Board member William Campbell said that Apple's board is comfortable with Tim Cook and the rest of the management team if Jobs' recovery lasts beyond the September timeframe.

"I was over there a little bit ago. He is awake, alert, energetic, his color is good. He's animated and the doctors have communicated that Steve's prognosis is extremely good," said Campbell. ●

## ***JustePort Sends Music to AirPort Express without iTunes***

***By Peter Cohen MacCentral***

Norwegian hacker Jon Lech Johansen -- known to many by his pseudonym DVD Jon -- has posted details on JustePort, new software that he claims allows users to stream MPEG-4 files encoded using Apple Lossless format to their AirPort Express hubs. It's the first time software outside of iTunes

has been able to stream music to AirPort Express.

Apple's AirPort Express is a tiny US\$129 wireless networking hub that employs the IEEE 802.11g standard, known to Mac users as "AirPort Extreme." In addition to operating as a wireless hub for up to 10 users, AirPort Express features a combination analog/digital interface that can connect to a home stereo or any powered speaker system. Using AirTunes -- a feature incorporated into both the Mac and Windows versions of Apple's iTunes 4.6 software -- users can stream music from iTunes to their stereos. The device racked up 80,000 pre-orders in the weeks leading up to its release in July.

***Con't on page 7, Justeport***

### Disclaimer

The KMUG Newsletter is a copulation of information related to the Macintosh community or areas which impact Macintosh computing. Content comes from a variety of sources: contributions, other user's groups or internet news sources. All articles are given full credit for the author and it's source. The information presented in the KMUG Newsletter does not reflect the opinion of KMUG, but is presented for its informational content.

### Con't from page 6, Justeport

So far, iTunes 4.6 has been the only software that can stream music to AirPort Express base stations. Johansen's new JustePort tool makes it possible for users to stream MPEG-4 files encoded in the Apple Lossless compression scheme to AirPort Express hubs independently of iTunes.

"I've released JustePort, a tool which lets you stream MPEG4 Apple Lossless files to your AirPort Express," Johansen wrote in his Web log. "The stream is encrypted with AES [Advanced Encryption Standard] and the AES key is encrypted with RSA." RSA is a public key encryption technology.

On its own, JustePort is probably of limited usefulness to most users. Apple Lossless codec about halves the size of an audio file from its original Audio CD source, but its use is not nearly as widespread as

the ubiquitous MP3 format or AAC, the format Apple uses for songs downloaded from its iTunes Music Store.

Johansen is best known for his 1999 efforts with DeCSS, or De Contents Scramble System: software used to crack the CSS copy protection on commercially available DVDs. Johansen was eventually arrested, tried and acquitted by the Norwegian courts after the Motion Picture Association of America (MPAA) filed a complaint.. Last November Johansen introduced QTFairUse, a technology that allowed iTunes users to make raw copies of iTunes Music Store songs free of their Digital Rights Management (DRM) encryption.

MacCentral could not access Johansen's blog as this article was posted. Apple representatives were not immediately available for comment. ●

---

### Luncheon Meeting

## ***KMUG Meeting***

***July 15, 2004***

Don Diehl introduced John Pizzo , who has his own Computer Consulting Service, and presented the goup an extremely informative program which he titled. "Should You Switch to a PC?" Needless to say that got our attention. He proceeded to explain the reasons why the majority of us will have an outfit with less maintainance, more ease of use and more security with our Macs.

He did state that to be really safe, users on high speed should have a router as the first line of defense and also a personal firewall. (John recommended the Norton Personal Firewall ver. 3, but did say turning on the built-in firewall for System X would be better than nothing.) Phil Fliieger mentioned he is using a Firewall called Intego. (To turn on the Mac firewall, go to System Preferences-Sharing-and click on the Firewall Tab. Then click on Start Firewall. Also, if you use both OS 9 and OS X, you need a firewall installed for each. And if running Virtual PC you need to turn on the Firewall inside XP.)

For regular maintainance and trouble shooting, Tech

Tool Pro 4 is his choice first choice.

Part of keeping our computers clean is a good virus protection program. John recommends Norton Anti-Virus, also Computer Associates or Mcafee's Virex are two other choices. Other helpful advice was for the Browser issue, where the choice is to flag all first party cookies and block all third party cookies. And when sending email to group addresses, be sure to use the BCC to keep from sending valid addresses to hackers.

Another point John made was for Wireless Networking: if you are within a quarter mile of others, you need to turn on wireless Encryption Security and select at least the 64 bit.

Our group participation questions dealt with editing Red Eye with iPhoto. Click on a picture, select the red eyes in the picture and click Red Eye below. Also to send numerous pictures with captions - open iPhoto, select the pictures, click on compose and will see pictures embedded in body of the message that comes up. Can then add text.

We had an attendance of 28 members today. ●

Submitted by:

Phyllis Robie

***KMUG's home page is now at:  
<http://www.homepage.mac.com/kmug1>***

----- **ABOUT MEMBERSHIP** -----

To join Kitsap Macintosh User's Group, send name, address (e-mail and snail mail) and dues (see renewal below for membership fee to:

**KMUG**

**P.O. Box 1271, Silverdale, WA 98383**

or come to one of our meetings and sign up!

----- **ABOUT KMUG** -----

**Officers/Board of Directors**

President .....	Don Diehl (diehldon@comcast.net)	Web Page Developer .....	Richard B. Nerf
VP - Apple Representative .....	Richard B. Nerf	Event Coordinator .....	John Dunlop
VP - Programs .....	John Dunlop	Publicity Chairman .....	Phil Fleiger
Treasurer .....	Joan Benze	Apple Store Representative .....	Bob Denby
Secretary .....	Phyllis Robie & Gwen Kauffroath	Discussion Chairman .....	Lewis Coleman
Evening Meeting Chairperson .....	Greg Scott	Librarian .....	Gerry Erickson
Newsletter Coordinator ...	Joe Williams (jwilly6173@yahoo.com)	Member-at-Large .....	Vacant
Mac Lab Coordinator .....	Gwen Kauffroath (gwenk17@comcast.net)		

----- **RENEWING MEMBERSHIP** -----

If you received a paper newsletter please check the membership expiration date on the address label.

To renew with the newsletter e-mailed to your computer, dues are \$20.

To renew with a paper newsletter, dues are \$30.

----- **ABOUT MEETINGS** -----

**Luncheon**

Third Thursday of each month at 10:30 A.M.  
Solarium Room, All Star Lanes,  
Myhre Road, Silverdale  
(one block East of Silverdale Way)

**Evening**

First Thursday of each month at 6:30 P.M.  
Solarium Room, All Star Lanes,  
Myhre Road, Silverdale  
(one block East of Silverdale Way)

**This month's newsletter editor was Joe Williams**



**KITSAP MACINTOSH USER'S GROUP  
POST OFFICE BOX 1271  
SILVERDALE, WA 98383**

