



# Rmug News

July 2005

## This Month

RMUG Meeting, Saturday morning  
July 9, 2005 9-11:30 a.m.

**All Mac users, new & old** are invited  
to attend the next RMUG general meeting  
at:

Yaks Koffee Shop  
3274 Bechelli Lane  
Redding, CA

Coffee and donuts will be available  
during our "Get Acquainted" time, 9 am to  
10 am. There are classes for "Beginners"  
and "Intermediate" from 9:15 to 10:00 am.

Topics this month will include a  
demonstration of iTunes & iPod and time  
permitting game acquisition. Related  
personal creativity projects and issues as  
well as the usual Q&A.

## Contents

Presidents Letter	1
RMUG Information	2
Visual Thesaurus Review	3
Doom 3 Review	3
Old Dogs / New Tricks	4
For Sale	5
Bugs In Tiger ?	5
Passing	6
Pod Cast	6
Apple & Intel	7
Editorial	9
Our Host	10

## Rmug Officers

*Marcus Harner - President*  
*Jim Pace - Vice President*  
*Charlotte Ruskowitz - Treasurer*  
*Jacquie Martin - Secretary*  
*Dale Josephson - Librarian*  
*Ken Lorenz - Editor*  
*Barbara Benefield,*  
*Louise Zegers,*  
*- Hospitality*

## President's Letter

Hello again fellow Mac users.

Recently, at the Worldwide Developers Conference, Apple announced that it would be migrating the Mac's CPU from the G5 chip built by IBM to the Pentium 4 (P4) chip produced by Intel. The P4 runs most of the Windoze based computers. Much has been discussed about the change on the internet and even within main stream newspapers. I've many articles about the subject and have seen little attention to the 64-bit processor conversations that make the G5 such a speedster.

The Intel P4 is a 32-bit processor, which means that it can process information in 32 bit chunks. This has been the standard for computer CPUs since the days of the Quadra and the '486' Intel processor almost 15 years ago. The G5 in the current iMacs and PowerMacs is a 64-bit processor, theoretically processing twice as much information as a 32-bit processor. The 64-bit-ness of the G5 was a major selling point when it came out, although, OS X 10.3 and earlier could not natively take advantage of the G5's architecture.

About a month ago Apple also released Tiger, the newest release of OS X. From Apples own documentation Tiger, OS X 10.4 touts its 64-bit services, 64-bit memory addressing, 64-bit system libraries and 64 optimization. So the latest release of OS X is finally ready to take advantage of a hardware architecture that has been in Macs for the past two years.

I'm getting mixed signals from Apple. As I understand the sequence of events 1) Apple moves from the 32-bit G4 to the 64-bit G5. 2) Apple sells the heck out of the 64-bit aspect of the G5. 3) Apple releases a version of Mac OS X that can utilize the G5. 4) Apple reveals that it will move to the 32-bit P4 for Macs as early as next year. OK, now I'm really confused. I must be missing something here. If anyone could please help me straighten out this CPU change conundrum please let me know at the next meeting.

Thanks and I hope to see everyone there.

Marcus Harner

# RMUG Information

**Why RMUG?** The Redding Macintosh Users' Group was formed to help members and new users obtain maximum enjoyment and performance from their computers. This is accomplished through group activities and our direct affiliation with Apple™.

**Resources:** RMUG resources include monthly mailings from Apple™ and numerous outside vendors. We have a library of public domain programs, games and shareware software. We have videos and other computer-related guidebooks and information.

**Meetings:** RMUG meetings are held on the second Saturday of each month from 9:00 to 11:30 am – contact any club officer for meeting location. The meetings give members and visitors an opportunity to share information, opinions, personal experiences and techniques regarding Macintosh computer systems—hardware & software.

**Membership Information:** We invite you, as a guest, to attend our next monthly meeting. If you decide to join RMUG, your membership fee includes your whole family. We need your help as much as you need ours! Please participate!

**Welcome To Our Meetings:** Call the President, Marcus Harner at 245-0895 or contact other RMUG officers for help. Go to <http://rmug.org/membership.html> for numbers.

**Membership Dues:** \$24 / year. Includes newsletters, access to shareware, monthly workshops, troubleshooting help. Payment of dues can be made at the monthly meetings or send them to: *Charlotte Ruskowitz, 6538 Mossom Ln., Anderson CA 96007* . Please make check payable to: Redding Macintosh Users' Group.

## VISUAL THESAURUS REVIEW:

Writing is a challenge for me. I seem to be constantly searching for words to communicate my thoughts. I also suffer from a lack of patience with the thesaurus sitting on the bookshelf 3 feet away. Recently, after using the word 'facilitate' 14 times in a single document, I searched Google for an online thesaurus. I knew Google had an integrated dictionary, simply type define: and the questionable word. So it seemed reasonable that Google would have a simple thesaurus. Googling for 'thesaurus' reveals the obvious thesaurus.com, dictionary.com and a zillion other online thesauruses that give me the same information as the book 3 feet away on my bookshelf. In with the Google list is the website for Visual Thesaurus. Having the word visual and thesaurus in the same sentence perked my interest, I just had to follow the link. Here's what I found:

Every once in a while a small piece of software comes into view that is truly exceptional. Examples include Disk Warrior (from Alsoft), Maya (from Alias) and BBEdit (from Bare Bones) and of course GraphicConverter (from Lemke). These apps cost from tens to thousands of dollars and can do one thing (Disk Warrior) or power an entire industry (Maya). I believe I've found another gem. It is called Visual Thesaurus produced by Thinkmap [http:// www.visualthesaurus.com/](http://www.visualthesaurus.com/).

Visual Thesaurus is a small application that acts as a thesaurus. One types a word a small text box and clicks the 'Look It Up' button. Below the text box, and taking up most of the real estate of the application is an open window area. The word that you typed in the text box seems to pop into the center of the window. It's almost organic, like a Cherrio popping to the surface of a bowl of milk. Next a plethora of synonyms and phrases start popping up with lines connecting to the original word. Not only do the words and phrases pop to attention, they do a funny little bounce like

they are all jockeying into position. The synonyms are sorted by meaning and color coded by type, noun, adjective, verb and adverb. After a few seconds, at the most, a star formation appears with the initial word surrounded by synonyms (and antonyms if desired). By clicking on any word in the window, one can change the main word, just like if it was typed into the initial text box. The new word then pops to the middle and is surrounded by its synonyms. By starting with a generic enough word, one could spend all day traversing the entire English language through synonym and antonym relationships.

Now it is true that I could probably find the same information in my soft back thesaurus sitting on the bookshelf if I had 1) the will to jet off my butt and get it and 2) the time shuffle through 800 pages to find the desired word. Using the Visual Thesaurus is quicker and I get the video game satisfaction of watching words move on my screen without me doing any work. An online demo is at ThinkMaps website at [http:// www.visualthesaurus.com/](http://www.visualthesaurus.com/). I'd recommend everyone try it and for \$30 buy, I'm glad I did.

Marcus Harner  
RMUG

## DOOM 3 REVIEW:

Following are my impressions of Doom 3, a first person shooter game. If you are in to this kind of game, Doom 3 is hard to beat. The graphics are exceptional, pushing my G5 dual processor, 2 MHz Mac to the limit and then some. Actually, my G5 was not up to the task, providing frame rates of around 13 FPS and as low as 8 FPS. The minimum frame rate should be at least 16 FPS and 40 FPS would be wonderful. Slow frame rates makes the game very difficult to play. I plan on adding more ram in the hopes the frame rate will improve (Athlons are getting 76 FPS).

The game takes place on Mars at a government financed scientific research facility. Most of the

continued on page 4

### DOOM 3 REVIEW CONTINUED:

facility is in an underground complex where experiments in teleportation and other projects are being performed. During the teleportation experiments an ancient civilization is discovered and some real ugly monsters are released into the complex. You, the player, are a marine sent to Mars to eradicate the problem plaguing the facility. Everything takes place underground where the lighting is either malfunctioning or not working at all, so you end up running around with a flashlight in your hand ready to grab one of various weapons at your disposal, knowing that any second one of these creatures is about to wreck your day. Due to the darkness of the scenes, I found that playing the game at night with the lights turned off in my computer room made it easier to see where I was going. Man, when you are creeping around in the dark and some big old monster jumps out at you, it dooo make your hair stand on end. On several occasions I almost fell out of my chair when one of these big guys took a swing at me.

The game involves spending a lot of time traversing through this underground complex not certain where you are or where you are going. I became lost on several occasions and ended up covering the same ground multiple times. However, the game is set up so that you eventually end up at the right location. Being lost became a little exasperating at times, but, on the plus side, after most of the monsters in an area were killed off, you could roam around for awhile unmolested.

To say the least, this game is very challenging and difficult to complete. I played the game in the easiest mode, but even then there were two instances where I had to resort to a cheat mode. This mode made it where I couldn't be killed, but even then I was unable to complete the game. The last monster, a big sucker, couldn't kill me because I was in cheat mode, but he would get me cornered where I couldn't kill him either, kind of a stalemate. I'll try several more times to complete the game, but I doubt that I will ever try to play it at the more

difficult levels.

I wouldn't recommend Doom 3 for younger children due to the gory graphics, violence and scary scenes. I haven't played it for about a week and I am just starting to get a good nights sleep again.

John Parker

## Old Dogs New Tricks:

TWO COMPUTERS IN EVERY HOME?  
GASP / SIGH / OH NO!

If you are old enough to remember one of our presidents had a campaign slogan: "A chicken in every pot and two cars in every garage." The country had come out of the Great Depression, but most could remember the difficulties of that era. It was a time when many did not have a chicken, and some didn't even have a pot. The slogan worked, he was voted in as president.

But two computers in every home? Are we ready for that? Well maybe!

Two of my friends had computers. Their wives wanted nothing to do with that "thing." While surfing the Internet, both of them found an area of interest to their wives. Their wives said something like, "Oh, gee, I didn't know that information was in there." They were hooked. Both men started coming home at night and asking (very meekly and politely): "Honey could I use the computer a little while tonight?"

Both families have ended up with "his" and "Hers" computers.

This has a very practical side. Computers take on a "personality" or maybe it is the preferences of the person operating the computer. You become accustomed to the operating system, the programs you use, the icons, where to get to the functions you use most, where you store your documents – AND EVERYBODY BETTER KEEP THEIR HANDS OFF MY COMPUTER (said with a controlled rage).

continued on page 5

## OLD DOGS NEW TRICKS CONTINUED:

While his interest is in pictures, and she is into quilting; or he is designing a house, while she is working on the family tree; maybe he is following the stock market, she is designing art and crafts. Since we manage to marry opposites, his computer is loaded with things she is not interested in. All this means – we need two computers, “his” and “hers.”

Remember when you didn't have a car, now you have two. Remember when you didn't have a phone, now you have four. Remember when you didn't have a TV, now you have three. O.K. now it is time for two computers.

I think I can hear somewhere in the corridors of time, a politician running for office. He is giving a speech, and I think I can hear him promising, “Vote for me and you will have a chicken in every pot, two cars in every garage, and TWO COMPUTERS IN EVERY HOME!”

Alan Hall

## For Sale:

1. ALPS 2010 Dry Ink Photo Printer Extra cartridges, Paper, Instructions, etc.  
This Printer makes the BEST iron ons! This is a SCSI printer, I no longer have a SCSI ported computer.  
Cost : \$500.00+  
Asking \$50.00. OBO
2. Snow iBook 12 inch G3 500 mhz 640MB RAM, 10 GB HD, DUEL BOOT 10.3.4/ 9.2.2 Combo Drive, AC Adapter/ Charger, Screen Protector...  
This does have a broken latch and a very small blemish on the screen.  
Asking \$650.00.
3. Epson 3000 Wide Format printer Will print up to 17x22 inch paper. I have 4 Epson ink refills and 4 Chron-Jet Archival Ink refills. Individual ink tanks are just one of the many

features of this printer. MAC or PC Serial and The Ethernet network card is Installed.  
Can still be found online for \$799.00  
Asking \$500.00.

4. HP LaserJet 4100 DTN printer 1200 DPI, 192MB RAM(Only 16MB Stock), Duplexing unit, Jet-Direct Network Interface card, 5GB Hard Drive, Optional Third Paper Tray, One extra paper drawer, Envelop Feeder, One extra toner cartridge.  
Only 3936 pages printed out of a 200,000 page maintenance cycle. 80+ Fonts installed.  
I found the prices of all of the items except the extra drawer online and it totaled out to \$2409.87 without taxes or shipping and a printer that was "Refurbished" I know this one is in very good condition.  
Asking \$1000.00.

The reason for selling these items is to get funds for hardware and software upgrades.

Michael Peters  
347-6599

## Bugs In Tiger?:

What is unexpected in Tiger? This article will try and cover the very few known bugs in Tiger. The first and biggest is a bug in adding mail accounts to the Mail Application. When you try and add accounts to Mail the program just hangs forever. The very simple workaround is disconnect from ANY network you are normally connected to and then set up all the mail accounts you want. Once you are done setting up mail accounts, physically reconnect to your network and you can even modify the accounts you just set up in case you had a typo. I am sure this will be fixed very soon.

If you have a Tower style G3 or G4 and you are using an ATA card to utilize hard drives greater than 120 GB you can no longer boot from these drives. The drives will show up but are not bootable. This appears to be a last minute change at Apple as reliable sources tell me that the very last Golden Master Beta of Tiger utilizes these larger

continued on page 8

## BUGS IN TIGER CONTINUED:

drives just fine. Again,, I have been privy to phone calls where ATA card engineers were discussing what to do and a fix will probably be available by the time this article is published.

There are a number of programs that hiccup but upgrades should be available very soon. Most people don't use a network connection bi-directional 24/7, but one small unaccounted for problem that seems to affect 1 in 500 users is portions of ethernet and possibly Airport network connections go deaf. In other words if you are running the Apache web server, it may disappear to outsiders every so often. Most of us network pros HAVE NOT put Tiger on production machines as this partial deafness also affects purchased software. I will be starting real world server tests during June and July and possibly by August I will upgrade production servers.

Let me end by saying there are thousands of great reasons to upgrade and no show stoppers for 99.9% of us. If you would like an e-mail of known problems give Kevin [info@jett.net](mailto:info@jett.net) an e-mail request and I am sure he will send you something. Remember, this is an always changing list and everyone's computer is usually a bit different from the next guys.

dalej

## Passing:

On a sad note I must report one of the founders of J.E.T. and long time RMUG member Tom Thomas died June 25th, 2005. Tom was in the process of moving to Washington State to help raise his grandchildren and to be near his family. We at JETT and long time RMUG members will all miss Tom.

dalej

## Pod Cast:

Pod casting is the newest craze in entertainment. Pod casting is the ability to listen to an audio show at your convenience on your computer or on your iPod. Most pod casts are in "mp3" format and will play on almost any MP3 player, not just an iPod. During my research I have found many pod casts will be on networks with a "RSS" news-feed. Inside of the news-feed I found links to pod casts that can be saved by clicking on the triangle on the right side of the play bar. Saving pod casts will be greatly facilitated by upgrading to QuickTime 7.X and then buy the "Pro" version for \$29.95 from Apple Computer. I have found pod casts that are stories of the old west as well as technical interest pod casts. Of course, there are pod casts for almost any subject matter and if there is a subject that does not have one yet, here is your opportunity to share your knowledge with the rest of the world. There are a couple of downsides to pod casting, which are related to physical size of the files and the resources to move these files. If you have high speed internet then the downloading of pod casts will be simple and easy. If you have dial-up internet service then pod casting is a bit problematic as the average size for a pod cast is around 2 or 3 megabytes.

Most ISPs will allow you to share your pod casts with your friends directly from your web page. One caveat here would be if your pod cast grew to more than a 1,000 people a day. Downloading your 3MB pod cast you would be responsible for 3,000MB i.e. 3 GigBytes of file transfer. Your ISP even if it is Charter Cable or SBC DSL will probably contact you in short order and demand that you change your service package to a professional one versus the home use package most of us have.

I drove Ken, our very kind and tolerant newsletter editor, nuts this month with my very late article, as iTunes 4.9 is due out at any minute and purportedly there will be some wonderful new features for pod casting. I was hoping to discuss these in the article, but Murphy is conspiring against me again. [Podcast.net](http://Podcast.net) and [podcast.com](http://podcast.com) are great sites to visit although my greatest resource is [Google.com](http://Google.com) and type pod cast in the search field.

dalej

## Apple & Intel:

Apple's new partnership with Intel will have far-reaching effects, not just for the two companies, but throughout the tech industry, an Intel spokesman told MacCentral.

"The dynamic will be different in the marketplace overall," said Chuck Mulloy, Intel's corporate spokesman. "Apple has pushed the envelope historically—that competition to push is good for consumers and good for the market in general. It will reinvigorate the amount of innovation out there."

Mulloy's comments came amid a wide-ranging interview at the company's Santa Clara, Calif., headquarters that touched on Intel's manufacturing capabilities, the company's ability to lower the power consumption in its chips, and what processors might appear in Apple's hardware starting next year. (Intel remains mum on that last point.) But mostly, in the wake of Apple's surprising announcement that it would drop its long-time chip partner IBM in favor of occasional adversary Intel, Intel officials stressed the similarities between their

company and the Mac maker.

Noting that Apple has taken the lead in pushing technology such as USB, FireWire, and wireless networking, Intel says that type of innovation is what it strives for as well.

"It's a very good fit," Mulloy said. "Apple has a track record of being the most innovative PC company, and we think we are very innovative as a semiconductor manufacturer."

64-bit chipsets, 90-nanometer technology and Dual Core

One of those innovations pushed by Apple is 64-bit processing, a technology that lets you address more memory than with standard 32-bit chips. In promoting Mac OS X Apple has touted the benefits of 64-bit processing for handling heavy-duty tasks.

Complementing that, Intel has 64-bit chips in its arsenal. The Pentium D Dual Core—a derivative of the Pentium 4—and the Itanium both offer 64-bit capabilities, according to Intel. The company would not say whether Apple would use one of these chips or a completely different model.

Intel currently uses a 90-nanometer process in manufacturing its chips. In fact, Mulloy said that Intel has "more 90-nanometer chips than anyone else." That's likely of interest to Apple, which a year ago, cited unforeseen challenges of moving to a 90-nanometer process in explaining why a promised 3GHz Power Mac G5 hadn't shipped. Lowering the nanometer technology gives chip designers the option of making chips smaller or keeping a processor the same size and adding functionality. The problem with just boosting clock speed alone, Mulloy explained, is that it gets to the point where you can't cool it. Indeed, Intel built its Pentium M using the 90-nanometer process so that it could have the choice of boosting the clock speed or adding more functionality and lowering power consumption.

This is where Intel also adopted Dual Core. With a Dual Core chip, you basically use two microprocessors on the same piece of silicon. A Dual Core chip looks to the operating system like it's a single chip, but you get greater performance. While there isn't a 2x boost using Dual Core, you still get a significant boost—of course, the same principle applies when using multi-core designs, although there is a point of diminishing return on



- Your FAST choice for Internet access in the North State
- Macintosh Service and Repair
- Classes on your site or ours
- RAM upgrades always in stock
- CD Authoring
- Wide range of SCSI cables
- Macintosh batteries
- Trained technicians

School POOs gladly accepted  
(530) 242-1800  
<http://jett.net>

continued on page 8

**APPLE & INTEL CONTINUED:**

the performance.

While semiconductor manufacturers strain to handle the burden of using the 90-nanometer technology to produce chips, Intel is already looking far beyond that threshold. Currently, Intel has 90-nanometer manufacturing facilities in Oregon, New Mexico and Ireland. However, by the end of 2005, the company will already move on to the next manufacturing process.

Later this year, Intel will start up a converted factory in Arizona that will churn out chips based on a 65-nanometer process. Another plant in Ireland will follow next year manufacturing the same chipsets.

“As people just start rolling out 90-nanometer, we are about to do 65 [nanometer],” Mulloy said.

Intel is everywhere

Those plants in Oregon, New Mexico, Arizona, and Ireland only provide a glimpse at Intel’s manufacturing reach. Mulloy said that Intel has 14 wafer fabrication facilities around the world and will spend \$5.5 billion in capital and close to \$5 billion in Research and Development this year alone.

“We have more manufacturing capacity dedicated to microprocessors and chipsets than anyone else in the world,” Mulloy said. While the company attained much of its fame—and much of its revenue—from the PC business, when it comes down to its simplest component, Intel is not just about PC chipsets.

“We are a manufacturer and have been since we were founded,” Mulloy said. “We make semiconductor components of the highest quality and higher volumes than anyone else and we can turn that manufacturing machine in any direction we need to very rapidly compared to others.”

In January of 2005 Intel went through a restructuring that affected up to 50 percent of the company’s employees as they moved to a platform organizational model. This put many similar technology groups under the same umbrella, allowing them to share relevant technologies easier than was previously possible.

Currently Intel is broken up in five main groups: Digital Enterprise group, for servers, desktops and wireless products; Digital Home, an emerging group that focuses on taking devices and making them work together in the home; Mobility Group, which focuses on all things wireless, including PDAs, cell phones and computers; and Digital Health, focusing on technology to improve healthcare.

“If you have a cell phone, there is a better than 70 percent chance you have Intel Flash memory in it. If you have one of the newer PDAs, there is probably a 75 to 80 percent chance that there is an Intel processor in it. And Intel components are even in the ABS systems on your car,” Mulloy said. “We are the world’s largest semiconductor manufacturer—we have a reputation based on microprocessors, but we have a very broad portfolio and we are continuing to push that.”

Where does Apple fit?

Intel has been talking to Apple for many years, trying to get the computer-maker to switch from a PowerPC processor to an Intel-based model. Finally winning Apple’s business has been a satisfying accomplishment for Intel

“It’s always good to get a new customer, but it’s even better to get one that you have been working on for this many years,” Mulloy said.

Intel typically partners with its OEMs like Dell to help in their advertising efforts. While helping the OEM, the ads also market the Intel processor. Mulloy wouldn’t comment on whether the Apple/Intel deal announced this week would include any kind of co-marketing plan.

“Apple has one of the top brands in the world, and I’m sure they will do what they need to be consistent with what people have come to expect from them,” Mulloy added. “The key for us is to give them what they need for them to be successful. What they do with respect to marketing is going to be their call—far be it for us to tell them how to manage their brand.”

Historically, Apple is one of the most secretive company’s in the technology market, choosing to make a big splash when Steve Jobs takes the stage during one of his keynote speeches, rather than pre-announce products. Intel, on the other hand, opts for a less secretive marketing approach. Intel plans to continue doing business

continued on page 10

## Policies

This newsletter is published monthly for the Redding Macintosh Users' Group and is distributed to all club members.

No other individual, group or business may use any portion of this newsletter without prior written permission.

RMUG News welcomes articles and questions relating to Macintosh or Macintosh compatible computers. Articles may be hand written, typed, or submitted on a 3.5" floppy disk (using any popular word processing program).

Submissions must be accompanied by the author's full name, address and telephone number. The submissions become the property of RMUG unless otherwise specified.

If you have a change of address or other questions, please notify the newsletter editor or other RMUG officer as soon as possible.

Deadline for submissions is the last Saturday of each month. E-mail or deliver all material to:

Ken Lorenz

E- mail submissions to:  
*krlore@cwnet.com*

OR

*rmug@rmug.org*

(stuff files if possible)

## Ad Rates

RMUG members are invited to place "Wanted", "For Sale" & "Trade" ads in the newsletter at no charge. Business cards or commercial accounts are welcome at the rates listed above. One of the best reasons for belonging to a user's group is to let other people know about your activities, as well as learning what other people are doing with their computers and software. Please give your business cards or ads to the newsletter editor.

<p><b>AD Rates</b></p> <p><b>\$4-business card</b></p> <p><b>\$6-quarter page</b></p> <p><b>\$9-half page</b></p> <p><b>\$15-full page</b></p>
--

Advertisements in the RMUG newsletter will not influence reviews or critiques of hardware, software companies or stories.

RMUG does not endorse any specific dealer or product, but we do encourage the distribution of information which may assist club members in identifying best buys and services.

## Editorial

See the June 05 editorial. This is the closest thing to a rebuttal I have received.

Subject: Lexus Story

A woman bought a new Lexus LS430, and returned the next day, complaining that she couldn't figure out how the radio worked. The salesman explained that the radio was voice activated. Watch this!  
He said.."Nelson!"  
The radio replied, "Ricky or Willie?" "Willie!" he continued....and On The Road Again came from the speakers. The woman drove away happy, and for the next few days, every time she'd say, "Beethoven", she'd get beautiful classical music. And if she said, "Beatles!" she'd get one of their awesome songs. One day, a couple ran a red light and nearly creamed her new car, but she swerved in time to avoid them. "AS#&%@ES!" she yelled.....

The French National Anthem began to play, sung by Jane Fonda and Michael Moore, backed up by John Kerry on guitar, Al Gore on drums and Bill Clinton on sax.

Submitted by:  
Barbara

# Jet Technologies

[www.jett.net](http://www.jett.net)

**Macintosh parts and service by trained technicians who "Speak MAC"**

**Internet service using Macintosh Servers**

**Dial-up and Wireless Internet, 10 MB mail boxes, Personal web sites,**

**Domain Hoasting, Customized Training, Office Network Intergration.**

**Repairs and Upgrades are our Specialty !**

**1320 Yuba St. #214 - Voice (503) 242 - 1800**

**Redding CA. 96001 - FAX (503) 242 - 5901**

## **APPLE & INTEL CONTINUED:**

the way it always has.

"We will market our products the way we normally do," Mulloy said. "Apple, like any other OEM, will choose the parts they want to use and then it's completely up to them how they will roll their products out."

When Intel does a launch, it ships the processors in volume and makes sure companies are able to ship products based on those processors immediately. In some cases, an OEM may not choose to ship products based on a certain chip, Mulloy said, but Intel makes sure everyone has the choice.

"Launch for us in microprocessors is that we ship in volume. How that plays with Apple is up to Apple," he said. "They can announce it or not announce it; we just make sure it's available to everybody."

By Jim Dalrymple  
MacCentral .com

