



# The RAG Times

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## Multitasking tops tentpole features in iPhone 4.0

Edited from [Dan Moren, Macworld.com](http://Dan Moren, Macworld.com)

The ability to run multiple apps, folders for organizing your mobile applications, and Mail improvements lead the major changes coming in the next version of the iPhone operating system. Apple gave a sneak peek Thursday at a developer preview of iPhone OS 4.0, which is coming later this summer.

Unveiled during a [press event](#) at Apple’s Cupertino headquarters, the updated OS offers more than 1500 new application programming interfaces (APIs) for developers in iPhone 4.0.



In addition, iPhone 4.0 boasts more than 100 new user features, such as playlist creation, 5x digital zoom in the camera app, tap-to-focus for video, auto photo-geotagging, the addition of Places functionality, the ability to change the Home screen wallpaper, improved spell-checking, and support for Bluetooth keyboards. Many of the fea-

tures added are already available on the iPad, which currently runs iPhone OS 3.2.

The OS update, which is available as a developer build now for app makers, will arrive in consumers’ hands in the summer. Not all devices will be able to reap all the benefits of iPhone 4.0. Owners of the iPhone 3GS and third-generation iPod touch should be able to run all the features, but iPhone 3G and second-generation iPod touch owners will only support some of the features—for instance, those devices will not be able to use the multitasking features that highlight the update.

“The iPhone 3GS and third-generation iPod touch make up the majority” of the mobile devices Apple has sold, Jobs told reporters at Thursday’s event. “And older devices will gain many of these features, just not all of them.”

As for Apple’s newest device, the iPad, Jobs said that iPhone 4.0 will arrive on the tablet device sometime this fall.

While Apple executives offered an overview of some of the changes planned for the iPhone OS, they spent most of Thursday’s presentation focusing on seven “tentpole” features that will be part of iPhone 4.0.

*(cont’d page 3)*

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President Emeritus*	Dave Angell	(401) 941-8934

\* = Member of RIAG Board

**NEED HELP?**

This is a list of RIAG Consultants. We may not be able to answer all your questions but hopefully we will be able to direct you to a knowledgeable source.

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This is a volunteer service. Please be reasonable as far as calling times are concerned and try to have all the pertinent data at hand before you call. Before calling, have your computer running so we can quickly answer your questions. If you would like your name listed, please call the editor.

**Editor's Note**

Hope everyone has cleaned up from the floods! Did you get your iPad yet? We'll schedule a meeting to show it off soon. This month is all about nostalgia - old programs on long forgotten computers. Do you have a favorite, or just curious what programs looked like long ago? Come on up to Mark's house for the meeting.

John

**Club Calendar**

Monthly Meeting Apr 17, Saturday  
 At Mark's house TIME: at 2 PM. Old apps are new again - see some interesting Apple II emulators at the main meeting. Map on page 4.

Monthly Meeting May 15, Saturday  
 At Mark's house TIME: at 2 PM. To be determined

The montly meetings take place on the 3rd Saturday of the month at Mark Rafferty's home in Smithfield, RI.

Please let us know what you would like us to cover at our meetings, or if you have a topic you would like to present, just let us know that too.

**RIAG Board**

The RIAG Board of Directors will meet occasionally at a time and place to be determined. When meetings are scheduled, the membership is invited to attend.

**President's Report April 2010**

Did everyone dry out yet? I got 2-3 inches of water for the first time! Not as bad as some with a foot or more. Still made a fair mess to clean up. I had to move everything around and through a lot of stuff out. I still have three dehumidifiers and several fans going. None of my really old computers got wet unfortunately. It would have been a good excuse to pitch some of them.

All this leads me to the topic for this month's meeting. We are going to delve into the mystical past with a modern twist. We will be running Apple IIs, GSs, and old Macs virtually on a new Intel iMac! There are a number of these emulators out there. Some are even quite good.

A company called AkeySoft even makes a limited emulator called iBASIC that lets your iPhone run some old Apple II Basic programs.

Do you remember Lemonade Stand, Wolfenstein, and Archon? There were lots of educational programs and utilities. What was your favorite Apple II program? Do you have an old Mac favorite that won't run anymore? Bring it with you and we can see if we can make it run.

We will take a trip down memory lane. Bring an old friend!

At our May meeting we will take a look at the new iPad. This device might just be the next wave in computing!

Mark





## iPhone 4.0 features

(cont'd from pg 1)

### Multitasking

Easily one of the most anticipated additions to the OS, multitasking will be a part of the iPhone 4.0 update. The feature is already offered on rival mobile platforms—most notably, Google's Android OS—but Jobs believes Apple has done a better job implementing multitasking capabilities.

“We weren't the first to this party, but we're going to be the best, just like [with] copy-and-paste,” said Jobs, alluding to the feature introduced in last year's iPhone 3.0 update.

In order to switch applications, users double-click the Home button which summons a dock-like strip showing all running applications; tap on an app to switch to it. If you're playing a game, it will pause when you switch, and you'll be able to resume right where you left off when you switch back.

By default, that dock shows you four running applications, but if you have more running at one time, you can swipe left to see the rest of them.

Apple contends that multitasking on most mobile devices can hamper performance of the app running in the foreground while draining battery life. “We've figured out how to do it and avoid those things,” Jobs said.

Specifically, Apple looked at existing iPhone applications in the App Store and tried to identify what services are needed in the background, according to senior vice president of iPhone software Scott Forstall. Apple then wrote its own code to implement those services, which it has made available to third-party developers as APIs. That way, the system is responsible for maintaining battery life and performance, rather than having each additional app try and figure it out.

### Folders

To tackle the problem of having too many apps on your phone, Apple is introducing Folders in the iPhone 4.0 update. “As people are downloading more and more apps, they have to keep flicking from page to page,” Jobs said. “They want a way to organize [apps] and find them, and Folders fits the bill.”

So, for example, you can create a Games folder merely by dropping one game on top of another. The folder icon displays a small set of tiles showing you which apps are inside, and you can drag the folder anywhere on the Home screen, just like an app icon.

There's no limit to the number of the folders you can have; it's even possible to put one in the iPhone's Dock. The addition of folders means the iPhone can let you see more than 2000 apps at a time. Currently, the iPhone's 11 Home screens and dock let you see only 180 apps (though in either case, you can load as many as space allows and launch them via Spotlight).

In a move borrowed from the iPad, iPhone 4.0 also lets you change the background wallpaper on your iPhone's Home screen—this can either be the same as the lock screen's wallpaper or an entirely different image.

### Mail

Apple has overhauled the Mail application for iPhone 4.0, adding support for a number of features, including a unified inbox that allows you to see all incoming mail from multiple accounts. You can also quickly jump between inboxes for multiple accounts. In addition, Mail also now supports more than one Exchange account at a time, and you can also organize by thread.

Attachments are enhanced as well: you can now tap files attached to e-mail messages to open them in a separate application, including third-party apps.

## iBooks on iPhone

In another borrowed feature from the iPad, Apple will make its [iBooks e-reader](#) available to the iPhone in iPhone OS 4.0. The iPhone offering will be a smaller version of the [iPad app](#), but it allows for the same features, including purchasing from Apple's iBookstore. And you'll also be able to sync your place and bookmarks between multiple devices—leave off reading a book on your iPad, and you can start reading it in the same place on your iPhone.

## Enterprise features

iPhone 4.0 has added new features for business users. At the top of the list is better data protection: all e-mail, including attachments, can be encrypted with your PIN code. And Apple will make encryption APIs available to third-party developers, allowing them to do the same with data stored in their apps.

Apple also plans to roll out improvements for mobile device management for companies that deploy large numbers of iPhones. (Forstall noted on Thursday that more 80 percent of Fortune 100 companies use iPhones in some capacity.) Companies can now wirelessly distribute applications anywhere in the world from their own servers. In addition, there's the aforementioned support for multiple Exchange accounts, and support for Exchange Server 2010. Plus, Apple is supporting SSL VPN for both Juniper and Cisco.

## Game Center

Billed as a “developer preview” in iPhone OS 4, Apple announced a social-gaming network called Game Center, which seems poised to compete with services such as Xbox Live and the PlayStation Network. You'll be able to invite friends, participate in online matchmaking, compete in leaderboards, earn achievements, and more. While available first to developers—presumably so they can integrate the functionality in their apps—

Game Center will roll out to end users later this year.

## iAd

As was widely rumored, Apple announced its own [built-in advertising system for the iPhone OS, iAd](#). Developers to incorporate ads into their application and use both video and interactive elements without taking users out of the current application. And the system is built entirely on HTML5.

“It's all about helping our developers make money through advertising so they can keep their free apps free,” said Jobs.

}Ed note: to see full article, click on this link: [MacWorld - iPhone 4 features](#)



## Rumor: iPhone HD to be revealed on June 22nd?

Posted 04/15/2010 at 11:00:49am | by [Seamus Bellamy](#)  
MacLife Newsletter

[AppAdvice](#) has brought speculation back to the fore that a new iPhone, possibly the magically-powered iPhone HD, could be introduced on June 22nd. The weblog's assertion is based upon the rumblings of the [Wall Street Journal](#) and the ever-vigilant [Engadget](#).

According to Engadget, the new iPhone hotness is being manufactured by Hon Hai Precision Industry. If you've been keeping track, they're the same Taiwanese outfit that has been assembling the iPhone since 2007. There's also some scuttlebutt to be had for you AT&T haters as well: a CDMA version of the iPhone will be pieced together by Pegatron this September.

None of this information is really new, but what makes today's gossip mongering truly special are two things: The fact that Apple has reserved the [Yerba Buena Center for Arts](#) in San Francisco and that June 22nd - a Tuesday - fits in nicely with

when Apple has historically made similar iPhone announcements.



Enter the Unicorns: It's one thing to speculate on manufacturers and release dates, but the iPhone rumor magic really happens once the pundits and "people briefed on the matter" start flapping their gums

as to what they've seen in their crystal balls. It's a rare thing to see an Apple product leaked accurately months in advance, but here's speculated consensus all the same:

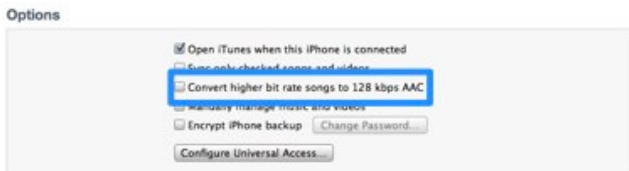
- The fourth generation iPhone will be dubbed the iPhone HD
- It will have an A4-class SoC chip under the hood
- Screen resolution will be enlarged to 960x640
- The design will incorporate a front-facing camera for video chat

When you pair up these smoke and mirror handset specs up with with what we now know about the [iPhone OS 4.0 operating system](#), we could very well have the makings for yet another winning smartphone on our hands.

It goes without saying that we'll keep you posted on this one.



### iTunes 9.1 Squeezes More Gigabytes Out of Your iPhone and iPad



Posted 04/06/2010 at 2:30:25pm | by [Cory Bohon](#)  
MacLife Newsletter

iTunes 9.1 now has a space-saving checkbox when you plug in your iPhone, iPod touch, or iPad.

When you select your device in iTunes, you'll see a new checkbox in the Options section that allows you to convert higher bit-rate songs to 128 kbps AAC.

When you select this box and sync your device, iTunes will automatically downsize the songs being sent to your device to 128 kbps. This is a smaller bit-rate, and therefore a smaller audio file will be uploaded to your device.

Of course, audiophiles will probably be scoffing at this checkbox because some may make the claim that higher bit-rates sound better. But, you can barely tell the difference in quality, especially with Apple's included earbuds. Plus, you can seriously save some space by doing this. We saved ~6 GBs by converting our 1,324 songs on our iPhone to 128 kbps. Now, we have plenty more room for those iPhone and iPad applications. Oh, and who can forget our Mythbusters subscription?

#### Before checking the magical box



#### After checking the magical box



### Mac OS X Hints

#### Use Google to convert Office doc to PDF

by [Dan Miller](#), [Macworld.com](#)

Hints reader nkal reports that he was recently trying to print a .DOCX document—which he'd created at work using from Word 2008—on his home printer. Unfortunately, his home Mac had a much older version of Office, and it couldn't open the .DOCX format.

His workaround: He uploaded the .DOCX document into Google Docs (using the Upload button in the upper left of Docs' home screen), opened it, and then clicked on the Print button. That converted the document into a PDF. He selected File -> Save Page As in his browser, then saved it as an easy-to-print PDF file on his home Mac.



## Gmail spam uses fake addresses to spread malware

by [Jon Brodtkin](#), [Network World](#)

Editor's Note: The following article is reprinted from [Network World](#).

Gmail spam is on the rise. [Spammers](#) are using fake [Gmail](#) accounts to clog up inboxes, making "Gmail.com" the most abused domain name, according to Commtouch's quarterly Internet Threats Trend Report, released Wednesday.

Only 1 percent of spam e-mails sent from Gmail addresses are actually from real Gmail accounts, and "this small percentage is likely to represent a mix of spammers and compromised Gmail accounts," Commtouch says.

Overall, "between 5 to 10 percent of all [spam](#) appears to originate from Gmail accounts," Commtouch says. "Addresses are typically faked in order to fool anti-spam systems and to give the impression of a reputable, genuine source."

Spammers are becoming more skilled at using familiar domain names to fool users, and the trend is not just limited to Gmail. "Gmail's message style, as well as those of PayPal and Facebook, is frequently used by spammers and phishers as standard templates to prompt action by targets of spam and phishing," Commtouch says.

Throughout the first three months of 2010, 83 percent of all e-mail traffic was spam, "peaking at nearly 92 percent near the end of March and bottoming out at 75 percent at the start of the year." On

a daily basis, 305,000 zombie computers—devices taken over by hackers and joined to a [botnet](#)—are used to "inflict malicious activity," Commtouch said. Brazil produces the most zombie computers, 14 percent of the global total.

Not surprisingly, pornographic Web sites are the most likely to be infected with malware. What may be surprising to some Internet users is that porn wasn't the most frequently infected category before last quarter.

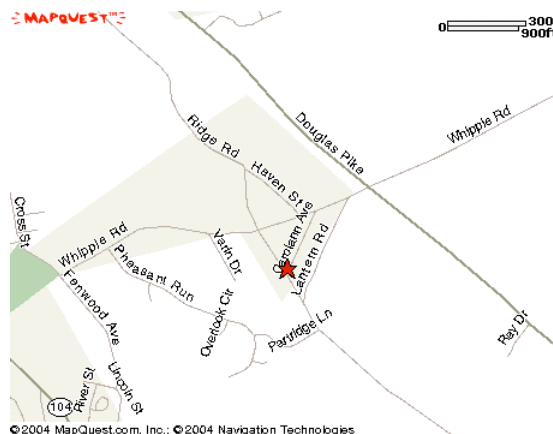
"Pornography' has replaced 'business' as the Web site category most infected with malware," Commtouch said.

Pharmacy spam, advertising Viagra and other types of medications, represented 81 percent of all spam messages, about the same average as from the previous quarter.



## Meeting Directions:

Directions to Mark Rafferty's House.

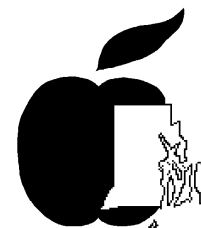


From 295, take the route 7 exit south to Whipple Road, turn right and take the 2<sup>nd</sup> left onto Carol Ann Drive.

From 95, take the route 146 exit and then take the Twin River Rd exit, turn right on Twin River Rd and go 1 mile to Route 7 (Douglas Pike). Turn right and go up to Whipple Road, turn left and then take the 2<sup>nd</sup> left onto Carol Ann Drive.



**Membership Application**  
**RHODE ISLAND APPLE GROUP**  
**PO Box 387**  
**East Greenwich, RI 02818-0387**



Please fill out the information below and send it with a check for \$30 (\$20 for one year's membership and a one time fee for initiation of \$10) to the above address or bring it to any meeting. (Please Print)

Name: \_\_\_\_\_

Address 1: (Home) \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Email: \_\_\_\_\_

Address 2: (Business/School) \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephones: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ (Home) (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ (Business)

Would you like your ( ) Home or ( ) Business/School # on the Membership list?

In an effort to better serve our members, we would like to know a few things about you and your computer system. This part is, of course, OPTIONAL but the information will help us better serve you.

Occupation: \_\_\_\_\_ (Optional)

I use my computer in: (Home), (Business), (School), Other \_\_\_\_\_ Circle all items that apply)

Briefly describe your computer system (present and planned). Please include any modem, hard drives, or major pieces of software, you have.

Computer \_\_\_\_\_

Printer: \_\_\_\_\_ Hard Drive: \_\_\_\_\_

Modem: \_\_\_\_\_ Other: \_\_\_\_\_

• Is your computer used primarily for business, entertainment, science, education, or other applications?

\_\_\_\_\_

• What are some of the things (help, software, etc.) that you want or expect to get out of this group?

\_\_\_\_\_

• Is there anything you would be willing to contribute to the club. This might include: Demonstrations of Software or Hardware, newsletter articles, programs, and teaching others.

\_\_\_\_\_

How did you hear about the club?

# April 2010

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17 ■ 2:00 PM RIAG Main meeting at Mark's house
18	19	20	21	22	23	24
25	26	27	28	29	30	1

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**RHODE ISLAND APPLE GROUP**  
**PO Box 387**  
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