

Apple User Group

September 26, 2016 Episode 67*







Apple User Group

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Next Meeting

Monday 9:30

October 31, 2016





Apple News!

Apple News



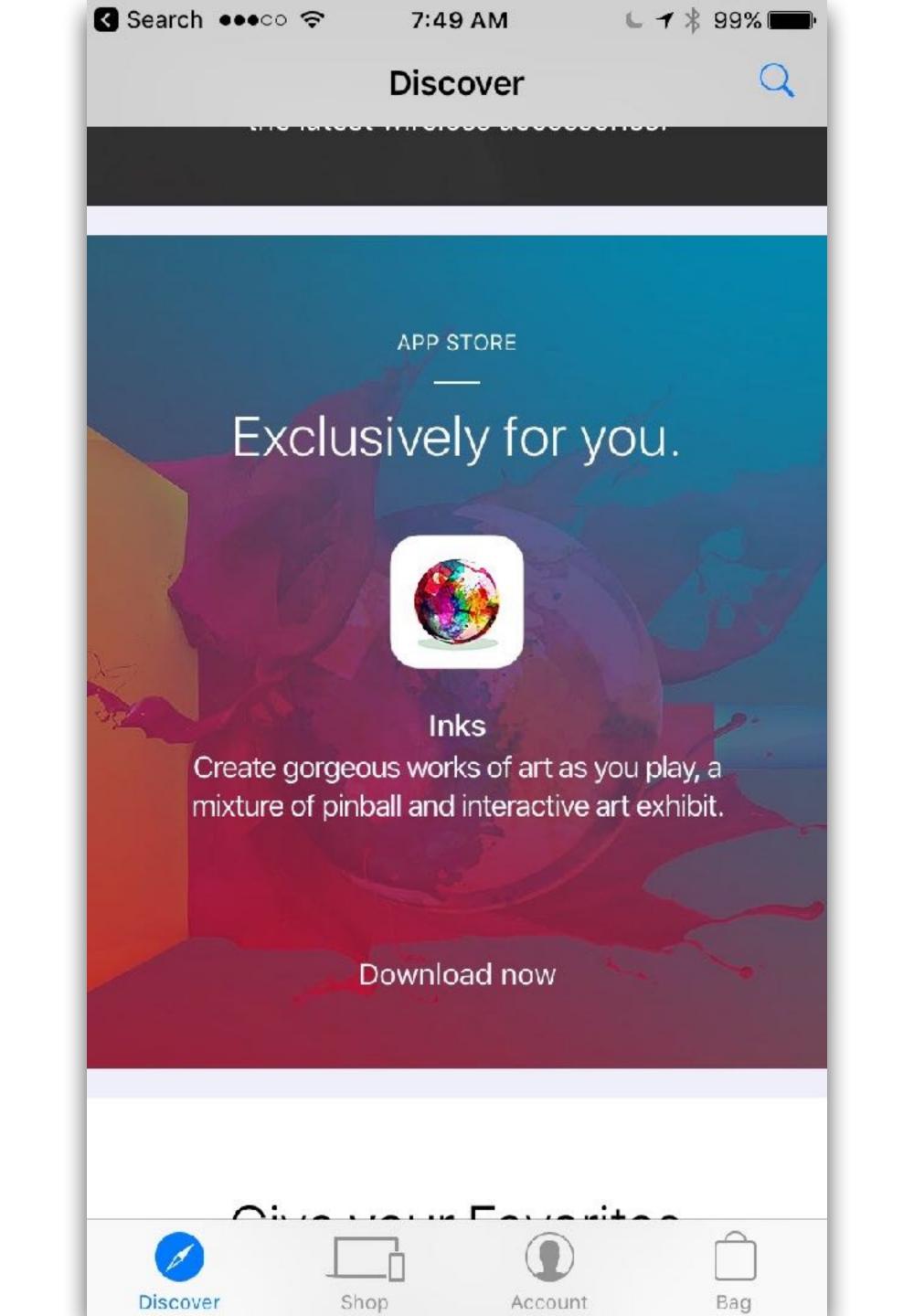
- Apple added a new iCloud storage tier: 2TB of data storage space for \$19.99 per month. Current options:
- Apple revised its AppleCare+ plans for iPhones, instituting a \$29 screen replacement option. Any other form of accidental repair will still be \$99.
- There's a new free download in the Apple Store app called "Inks". It's a pinball machine with a twist. It's free until Oct 16th.

50GB: \$0.99

200GB: \$2.99

1TB: \$9.99

2TB: \$19.99



Apple News



- Apple has phased out the 3rd generation Apple TV (\$69). The 4th generation model starts at (\$149)
- Apple also phased out the \$10,000+ gold Apple Watches. There goes all my Christmas ideas. ;-)
- Apple announced they are going to clean up the App store and remove old apps that have been abandoned or not updated for a while. This should help when searching for relevant apps.
- Bloomberg published a report claiming that an Apple "Echo-like" product has now moved from R&D into prototype testing

September 7th Apple Event



Announcements



- Nintendo announced they will be releasing "Super Mario Run" for the iPhone in time for the holidays.
- It was announced that a version of Pokemon Go will be released on the Apple Watch
- New versions of iWork have been released that allow real time collaboration. The Notes app has also been given this feature in iOS 10

iPhone 7/7 Plus



iPhone 7/7+



- The iPhone 7 has a new A10 Fusion processor—a 64-bit four-core processor.
 - 2 cores are used for demanding processes, and are 40% faster than the iPhone 6s A9 processor
 - The other two core are high-efficiency processors that use 1/5th the power
 - The system automatically decides when to use the energy efficient cores or the high performance cores.
 - This provides an average of 2 hours more battery life each day
- A new graphics processor is 50% faster than its A9 counterpart and 240 times faster than the original iPhone

iPhone 7/7+



- The Home Button is now solid state, just like the MacBook Pro's trackpad and includes taptic feedback, like the Apple Watch.
- The new models are water and dust resistant. It's now IP67 standard, which means it'll withstand accident dives into swimming pools, kitchen sinks, toilets...
- The display is 23% brighter with a wider color gamut
- The iPhones have stereo speakers—one on the top and one on the bottom edge of the device. The speakers have an increased dynamic range and are louder than the speakers on the 6s.

iPhone 7 Camera



- The updated camera has a 12 megapixel sensor that's 60% faster and 30% more efficient with optical image stabilization
- The new cameras handle low light situations far better than previous models
- It has a new TrueTone flash that has four LEDs with 50 percent more light that reaches 50 percent further
- Interesting Factoid: The iPhone 7 camera system performs 100 billion operations on each photo in 25 milliseconds.
- The iPhone 7 supports RAW image capture

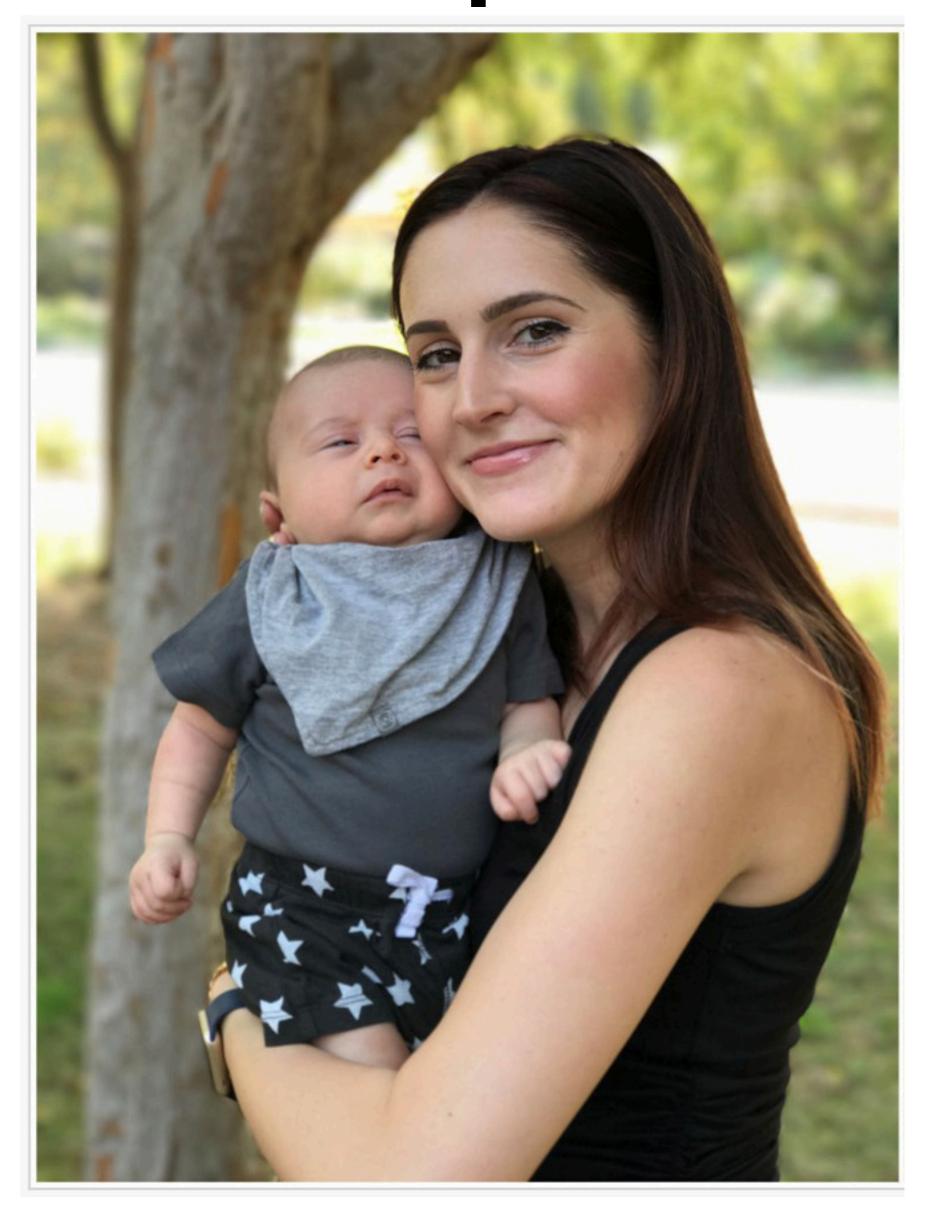
iPhone 7+ Camera



- The iPhone 7 Plus has two 12 megapixel cameras: one wide angle and one telephoto.
- The Camera app lets you switch between wide angle and telephoto with a tap. It offers 2x optical zoom, and 10x software zoom.
- Apple's has figured out how to use both cameras to let photographers to create shallow focus depth effects in their images as a style called "Portrait."
- Portrait Mode isn't yet available, and will come as a software update later this year.

Portrait Mode Example





iPhone 7/7 Plus



- Apple has eliminated the headphone jack on both iPhones to make space for other technologies in the device
- So instead, the iPhone 7 and iPhone 7 Plus will include a pair of Lightning-connected EarPods.
- In addition, Apple is providing an adapter that plugs into that port to allow users to still listen with wired headphones.

iPhone 7/7+



- The iPhone 7 starts at \$649 and the iPhone 7+ at \$769
- There will be three different memory options 32GB, I28GB, and 256GB. This is doubles the memory options that were offered in the past at the same price point. (No more I6GB options!)
- There will be five colors available to select from: rose gold, gold, silver, and a new black (matte) and jet black (glossy)
- The jet back version is the hot new color and is only available in a 128GB or 256GB version

Older iPhone Pricing



- The iPhone 6s now comes in just two storage configurations, 32gb and 128gb, priced at \$549 and \$649. Previously the 16gb model was \$649 and the 128gb cost \$849. (There was no 32gb option.)
- The 6s+, is now \$649 for a 32gb model and \$749 for 128gb. Previously the 128gb model cost nearly \$1,000.
- Apple has also discounted the price of a 64gb iPhone SE by \$50, putting it at \$449. A 16gb model still exists at its original \$399 price. (Pay the extra \$50 for the 64gb model.)









- Apple announced a new product called "AirPods". These are wireless earphones with microphones included.
- The AirPods get up to 5 hours of high-quality music playback
- The AirPods include a rechargeable battery case that delivers up to 24 hours of battery life. The case is recharged with an included lightning cable.
- The AirPods connect instantly with a single tap and switch between iCloud-connected iOS devices or Macs seamlessly and automatically



- Playback is controlled by dual-optical sensors that will pause music automatically when taken out.
- A double tap on the buds invokes Siri, allowing the user to select and control music, change the volume, check battery life or perform any other Siri task.
- Each AirPod also has an accelerometer that detects when the user is speaking, while a pair of beam-forming microphones focus on the sound of the user's voice and filters out external noise.



- While the AirPods can pair with other Bluetooth devices, they won't get some of the special features that are designed to work only with Apple devices
- If you lose one AirPod, you don't have to buy a new pair. Instead, you can buy just the one you lost
- The Apple AirPods will cost \$159 and be available in late October
- There are also new wireless Beats headphone models with the same chip as the AirPods

Griffin's iTrip Clip





iTrip Clip



- Griffin has announced a new "iTrip Clip" that might be useful for people that are concerned with the lack of a headphone jack on the new iPhones
- The iTrip Clip allows users to connect a conventional set of headphones to a smartphone via a Bluetooth connection
- The adapter has standard media control buttons. It also has an integrated microphone for users to receive calls and access Siri.
- The iTrip Clip will allow for 6 hours of talk time, and 180 hours on standby. Charging is performed through an micro-USB port
- The iTrip Clip will be available for \$19.99 in September

watchOS Series 2



Apple Watch Series 2







- Apple announced the new "Series 2" Apple Watch
- Where the original Apple Watch is splash-proof, the new model is "swim-proof" and is water resistant to 50 meters. It even has software swimmers can use to track their workout in the pool.
- The new model uses a second generation processor that's twice as fast as the original model
- The display on the Series 2 is the brightest Apple has ever shipped

Apple Watch Series 2 🔯 🖸







- The Series 2 also has a built in GPS and doesn't have to rely on the GPS in your iPhone
 - The GPS connects almost instantly and you can view your routes directly on the watch without the need to take your iPhone with you on your runs
 - The GPS is open to developers, so expect lots of fitness app updates soon
- Apple added a second mic to the Apple Watch to help with "Hey Siri."

Apple Watch Series 2



- The new Apple Watch keeps the same form factor as the original, but with a slightly thinner display surface. It's compatible with current Apple Watch bands.
- There is a new Nike Apple Watch model targeted at runners. The Nike Apple Watch comes with an aluminum body and a perforated breathable band.



Apple Watch Series 2 😈 🖸



- The starting price of the Apple Watch Aluminum increased \$20 to \$369.
- The original model, now called Apple Watch Series 1, gets the same upgraded processor as Series 2 and is priced starting at \$269.
- A white Ceramic Apple Watch is the new Edition and replaces the Gold and Rose gold versions. The Ceramic model starts \$1,249.

iPad

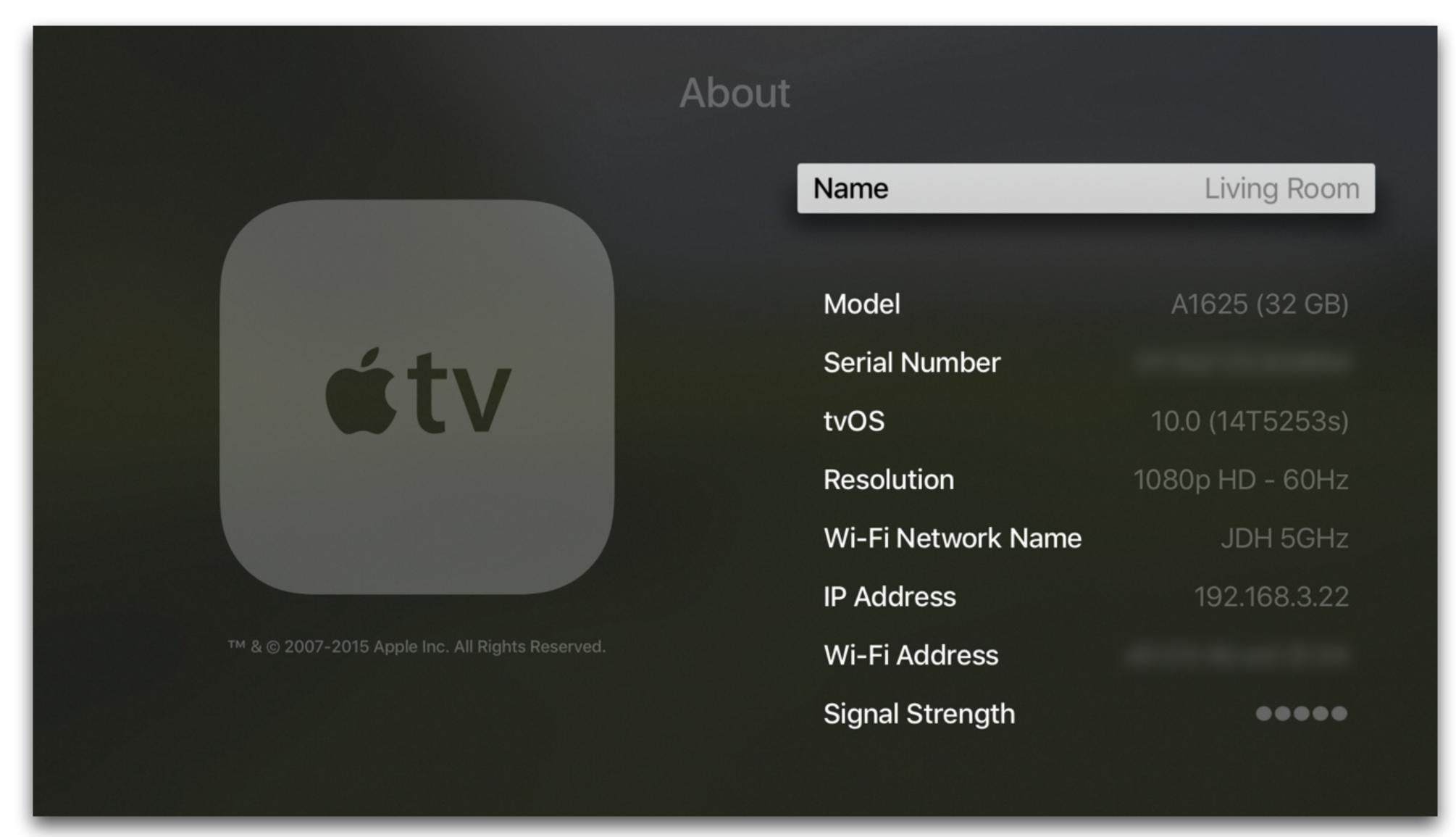


iPad Changes



- No announcements, however Apple tweaked the iPad's configuration and pricing
- All I6GB options have been eliminated (
- For the standard iPads, Apple has doubled the base storage for each price point
 - The iPad Air 2 and the iPad mini 4 costs \$399 for 32 GB or \$499 for 128 GB - excellent prices if you need a new iPad!!
 - The iPad mini 2 is now \$269 for 32 GB
- For the iPad Pro, the 128 GB configurations \$50 cheaper, and the 256 GB configurations are \$100 cheaper.

tvOS 10



tvOS 10



- This is a pretty minor release and an easy upgrade
- Single sign-on was the most anticipated feature, but it was not included in this release for some reason. Hopefully it'll be added later this year.
- tvOS's Photos app is largely unchanged, but it gains the Memories feature from iOS 10 - which I'll cover later. (Note: This is not working for me. Maybe you need to have iCloud Photo Library enabled?)

tvOS 10



- The Music app has a new interface like the one in iOS
- Dark Mode: The standard interface for the Apple TV can be a bit bright for normal viewing purposes. tvOS 10 includes a Dark Mode which you can enable in Settings > General > Appearance
- When you first install tvOS 10, it asks if you want to install apps automatically. This will install any tvOS app for which you already own the corresponding iOS app. It also works in reverse



General Impressions

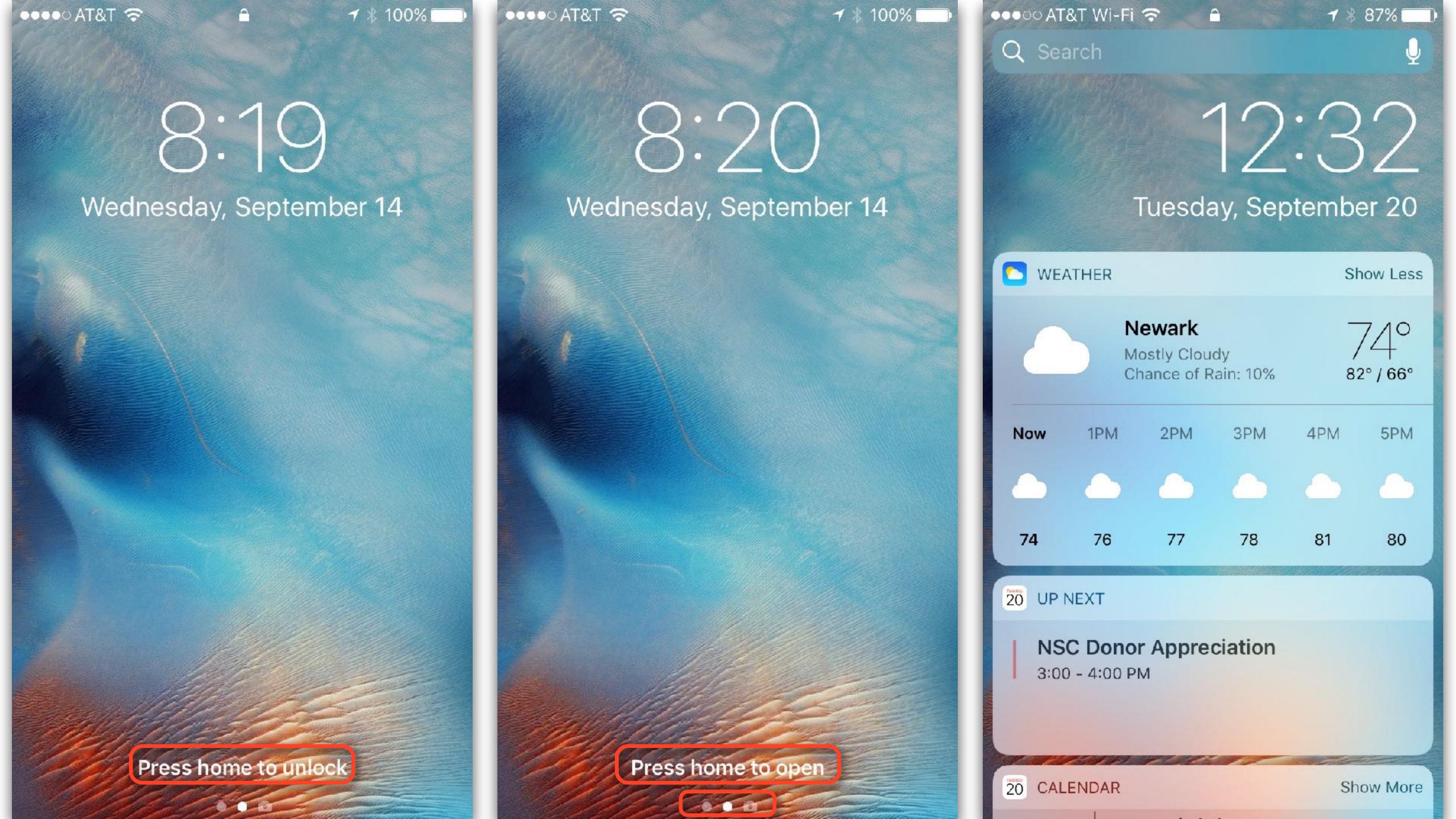


- I updated 5 devices and the upgrade was easy and without incident
- The update has a number of useful features, but it's not so different that anyone will be uncomfortable or have problems getting around (my opinion)
- The lock screen has changed and might seem awkward at first, but you'll get used to it
- I like the new Messages app and love the new Memories in Photos
- I definitely recommend upgrading.

Lock Screen



- Raise to Wake: Instead of having to press the power or Home button to wake your screen and check notifications, you can simply lift your phone. It's similar to how the Apple Watch display works. (Requires an SE or 6s or better)
- Whether you unlock your device with Touch ID or the password prompt, the only way to start the process now is by pressing the Home button. Swipe to unlock is gone
- Now a swipe to the left gives you instant access to the camera and a swipe to the right gives you the Today screen with widgets



iMessage

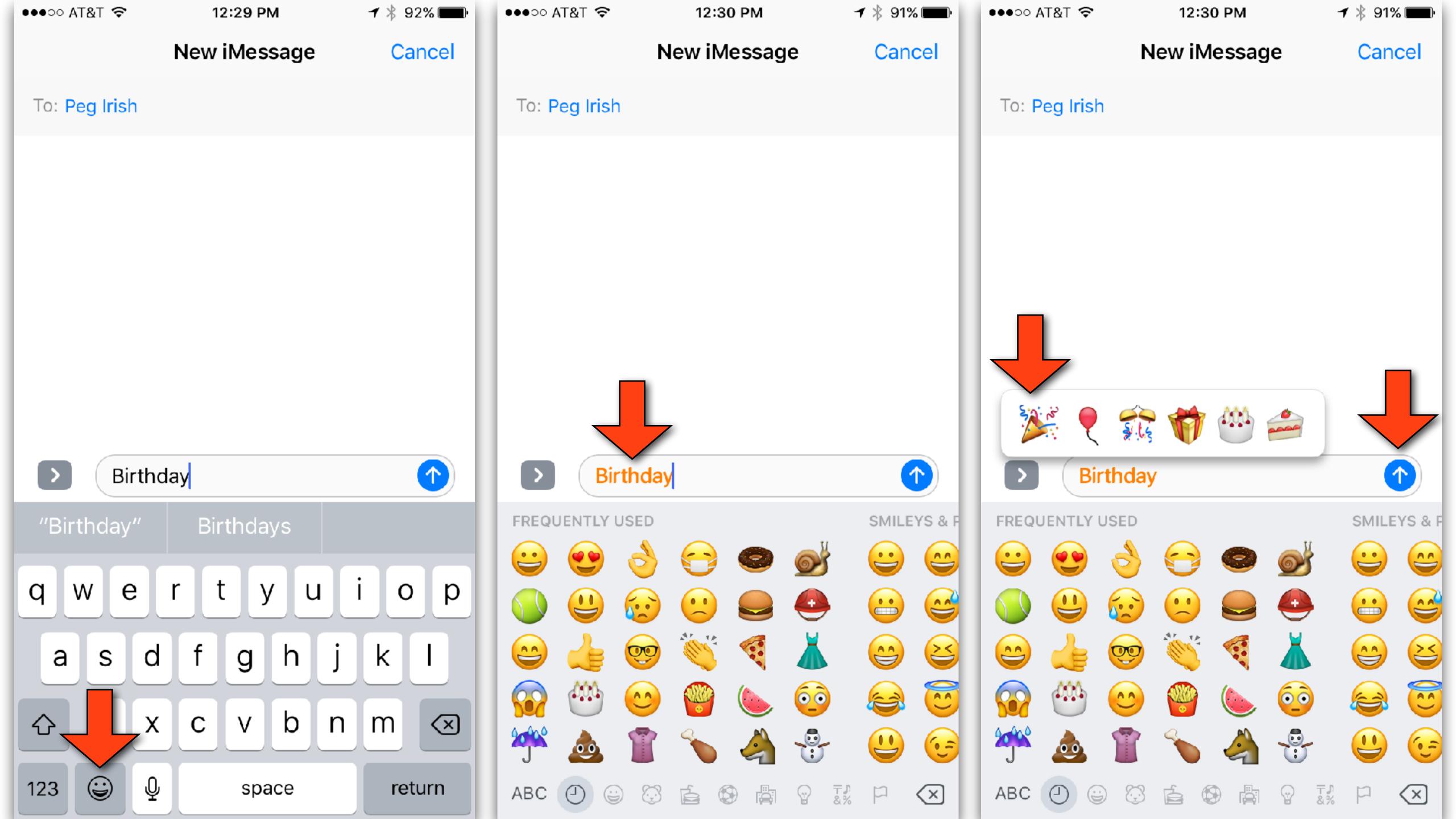


- iMessage has been totally overhauled with a lot of extra visual effects
- Instead of searching for an appropriate emoji, you can just type in a name like "Birthday", hit the emoji button and then tap the word and you'll get a choice of emoji's to insert that have to do with birthdays.
- With Tapbacks, you can double-tap or long-press a previous message, then select from a list of short replies (a heart, thumbs up, thumbs down, haha, an exclamation point and a question mark)
- Instead of a send button, there's an up arrow. Tap to send, or "tap and hold" to get options to send a bubble or a whole screen effect

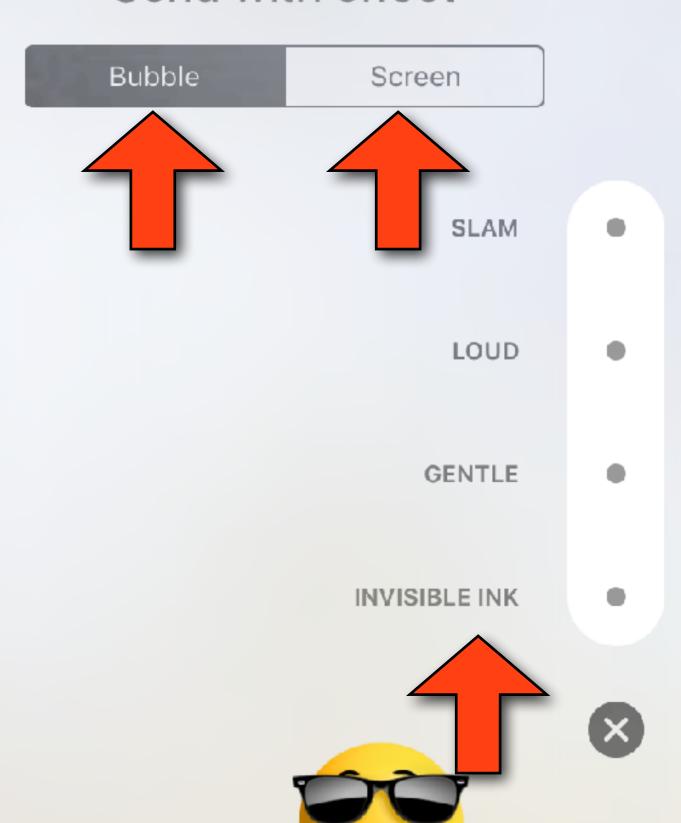
iMessage

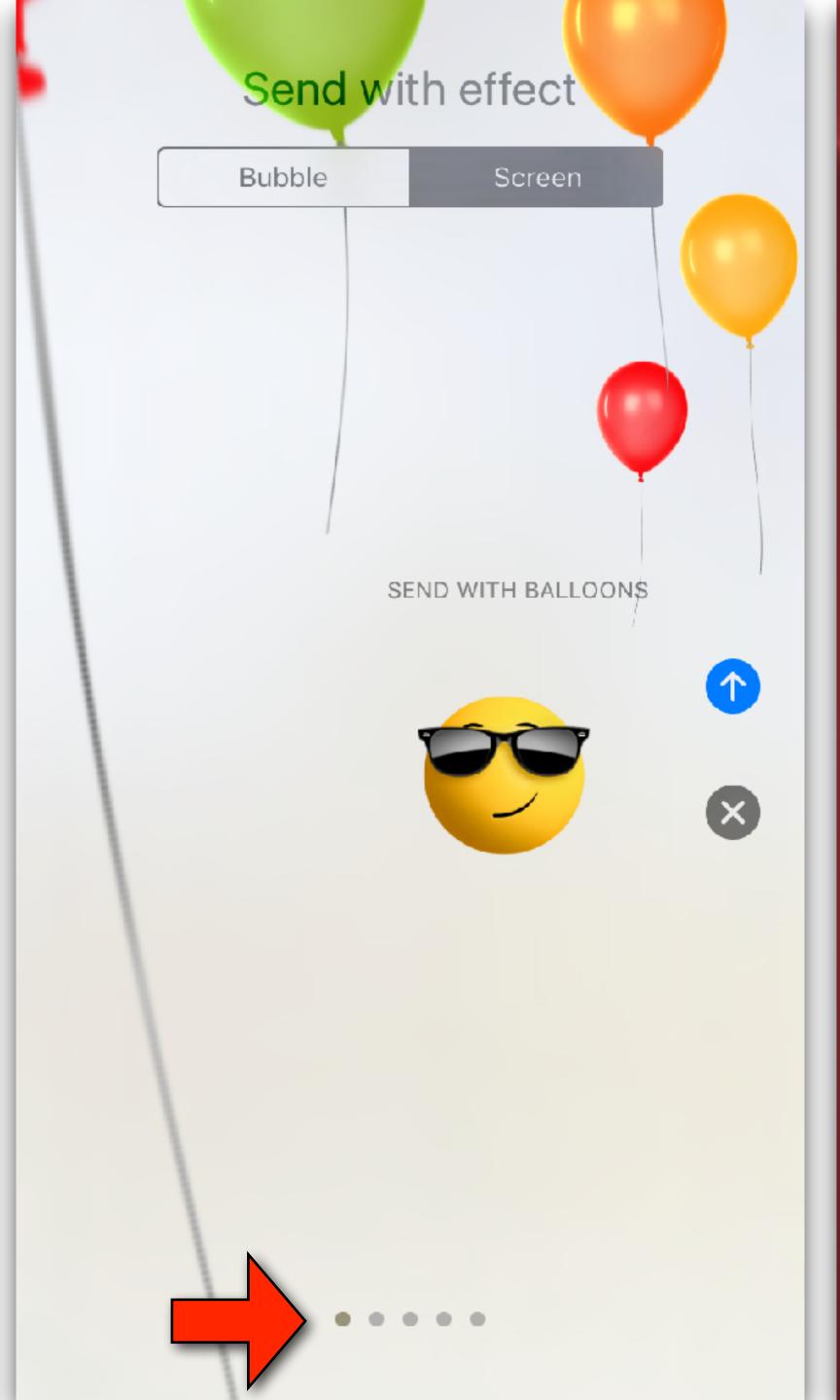


- There is an app store now just for iMessage. You can get stickies, or apps that work with iMessage (Yelp, Fandango, etc...)
- You can search for animated GIFs to send
- If you turn you phone to horizontal mode, you get a whiteboard that allows you to send handwritten messages
- There's a lot more to the new iMessage than I can cover here. Just go in and play with it a bit.



Send with effect





Send with effect

ubble Screen

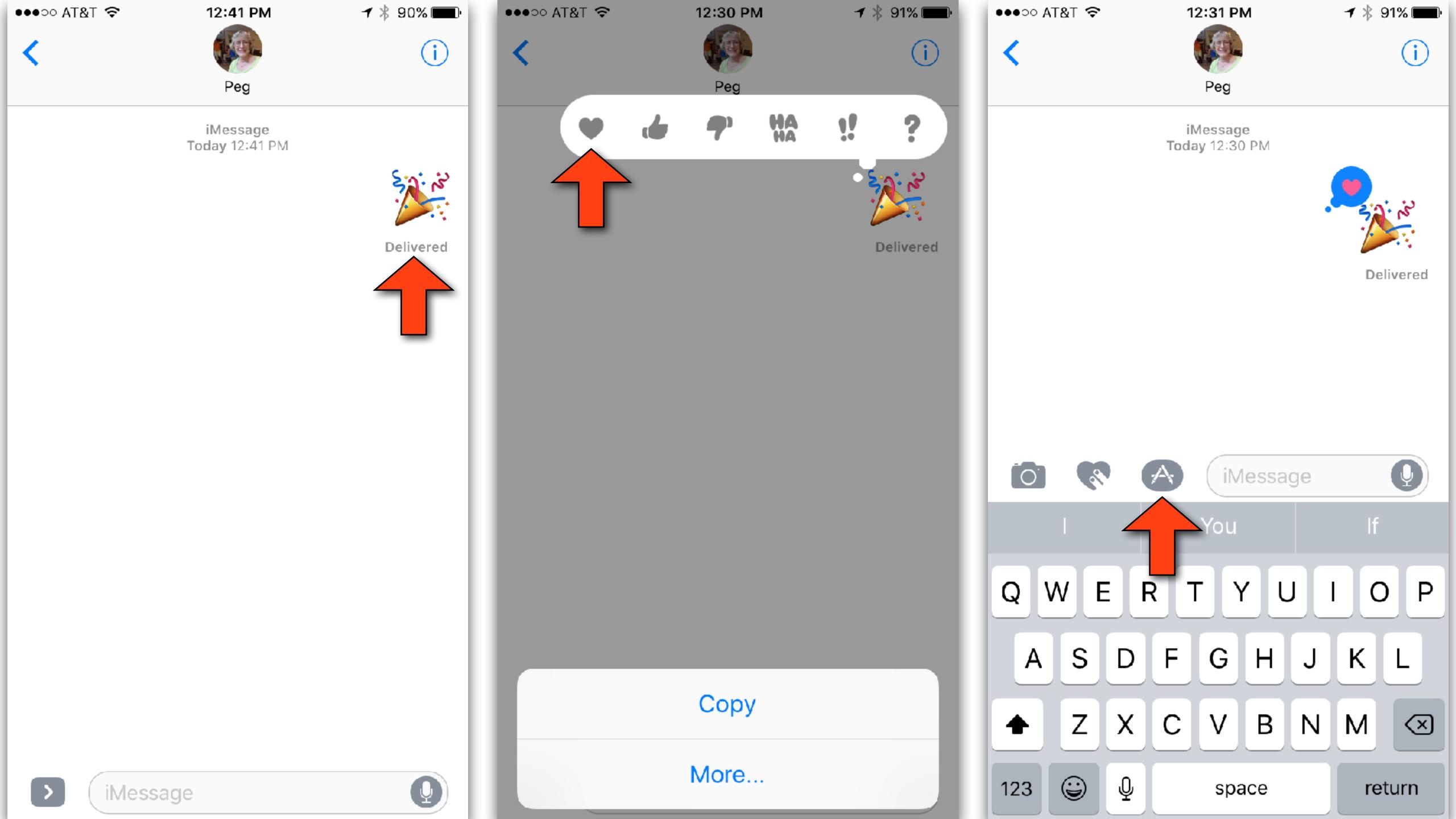
SEND WITH LASERS

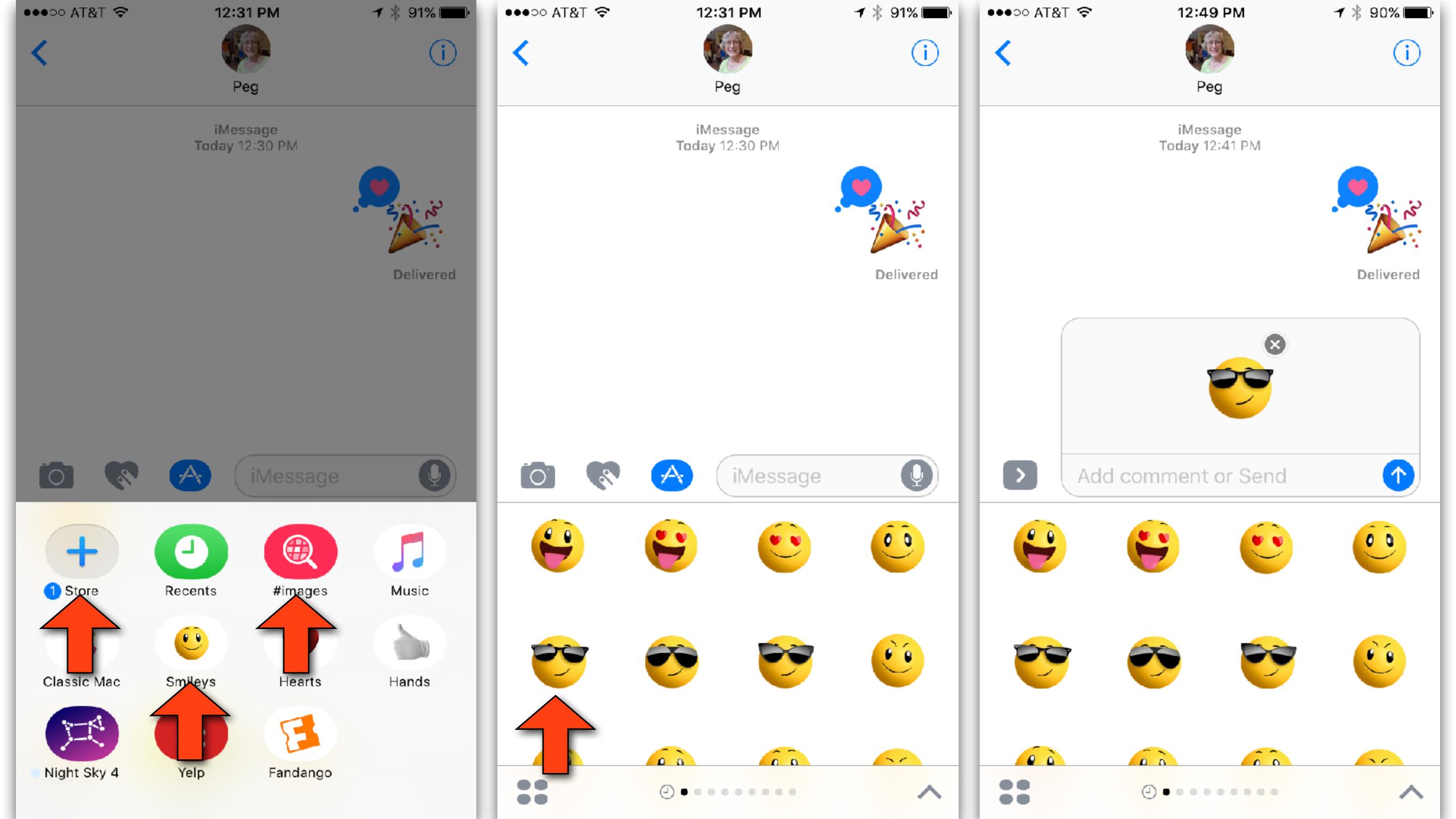


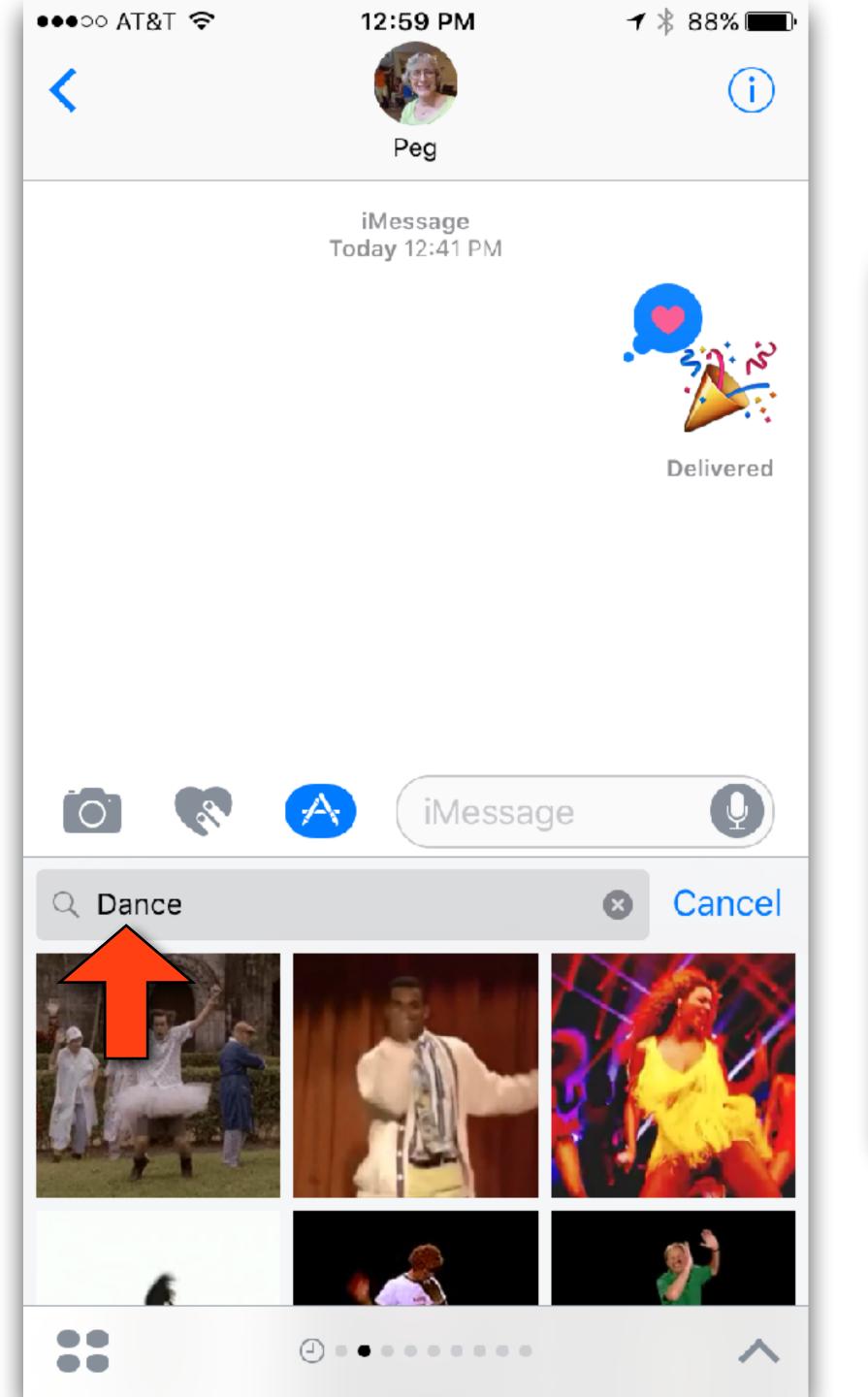


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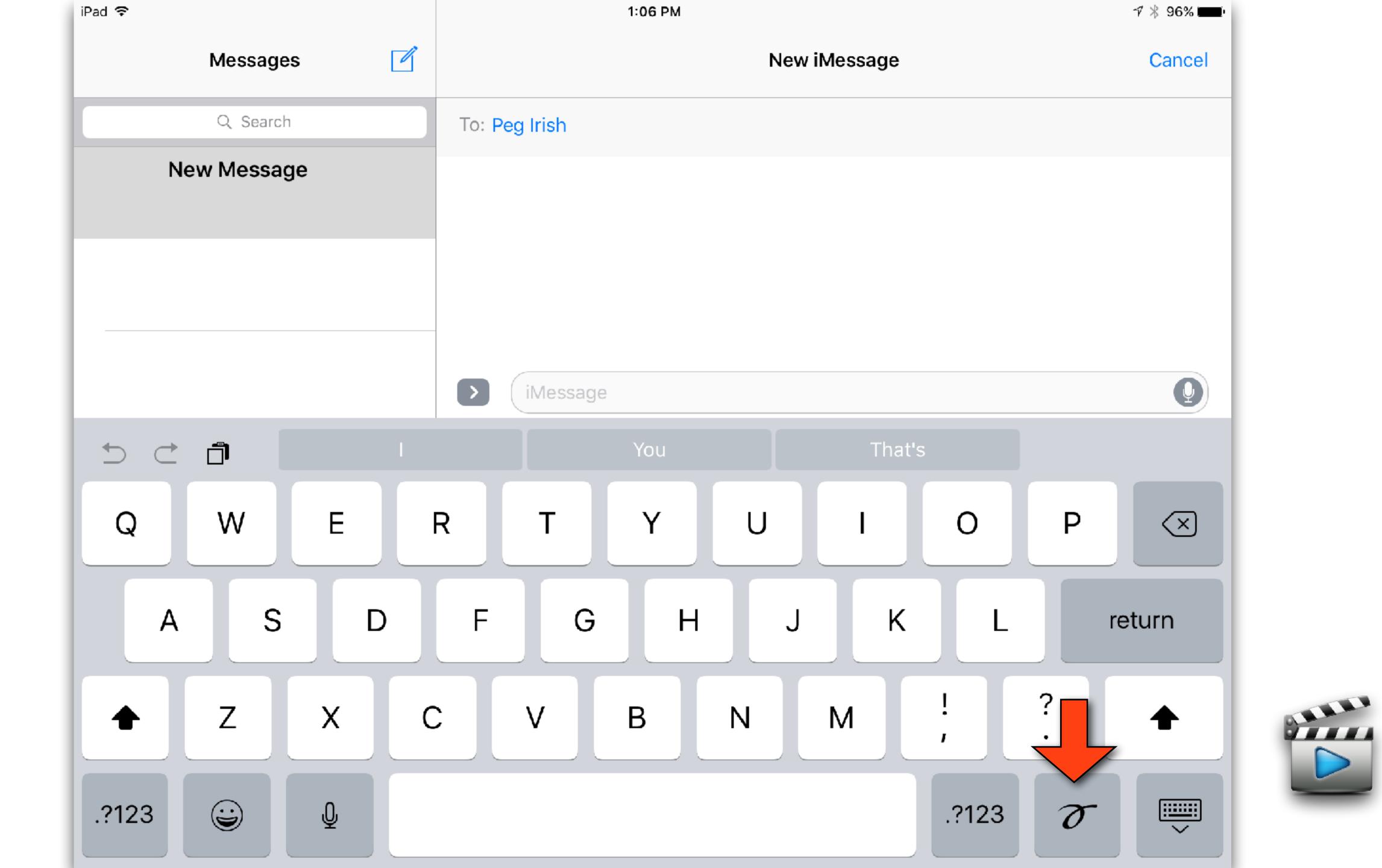








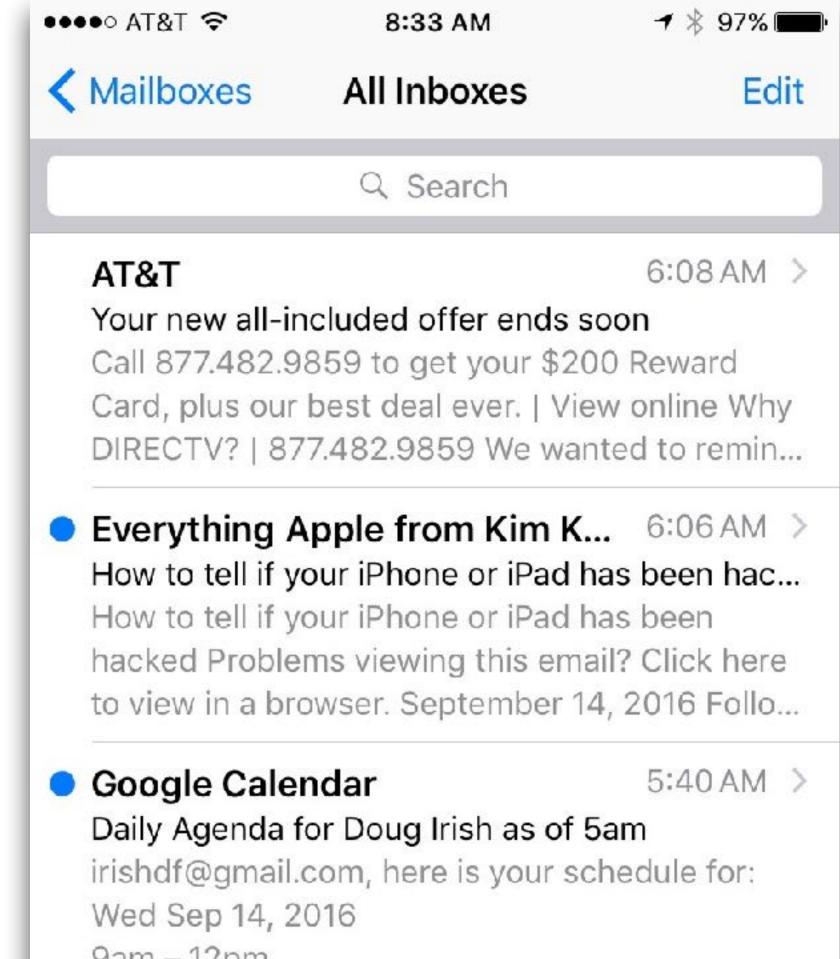




Mail Changes



- You can now easily filter messages. The default filter is unread messages, but you can specify how you want the mail filtered.
- Now you can unsubscribe from a mailing list without searching for the unsubscribe link. All you have to do is click the unsubscribe banner on the top of the screen
- Previously, iOS Mail settings were shared with the calendar and notes app. Now, the Mail app has a setting section all to itself



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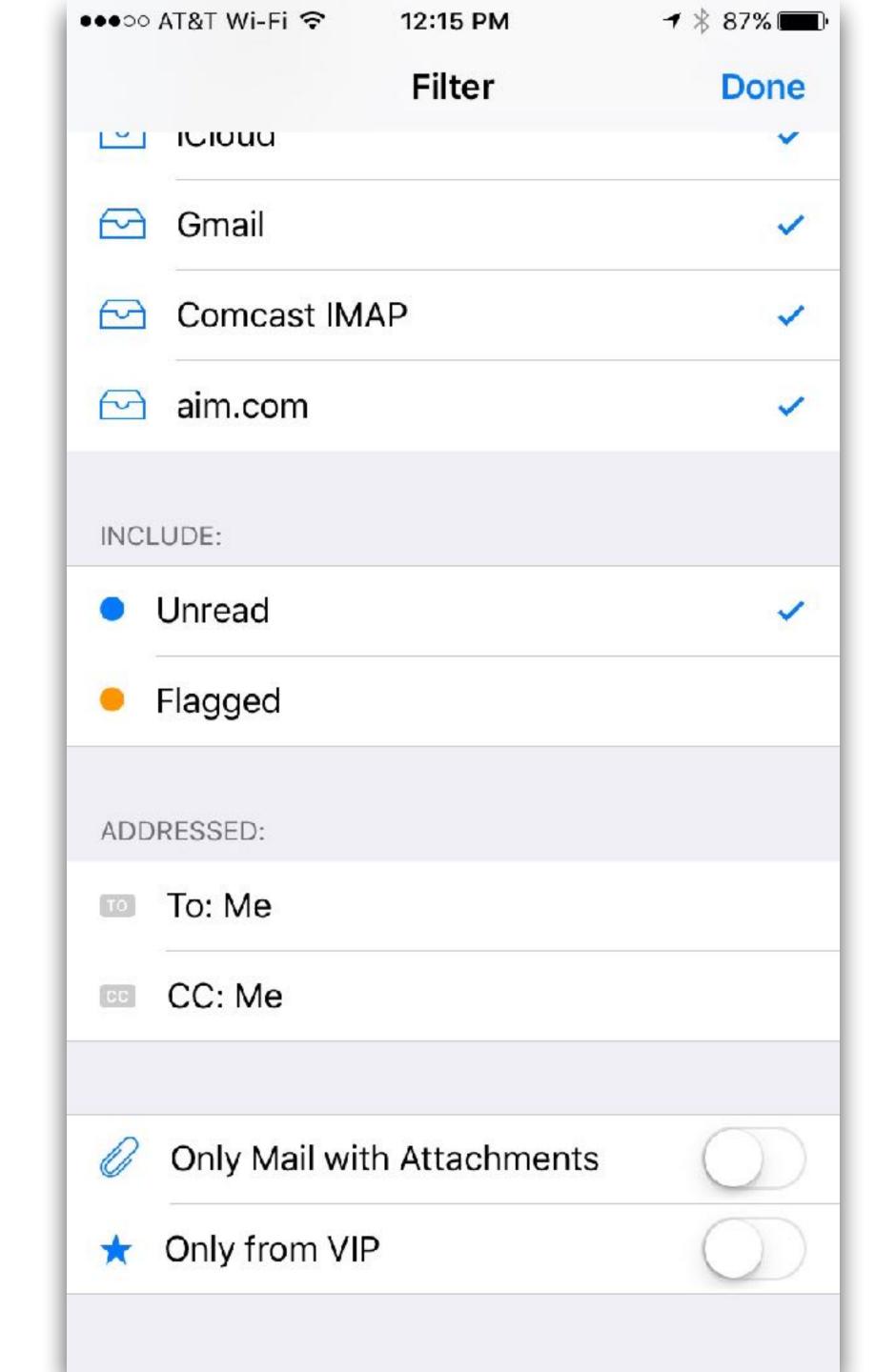
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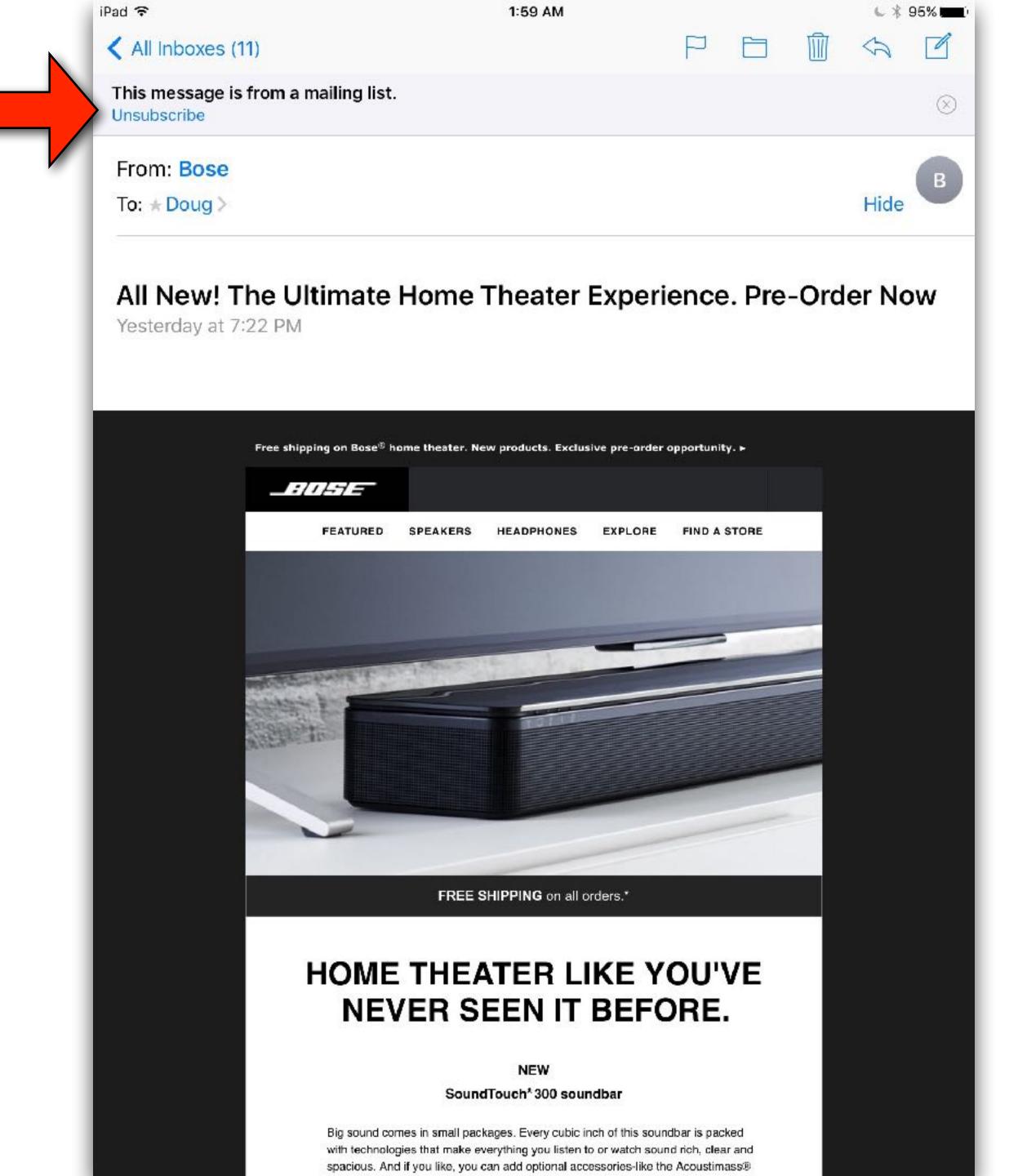


Photo Memories



Photos - Memories



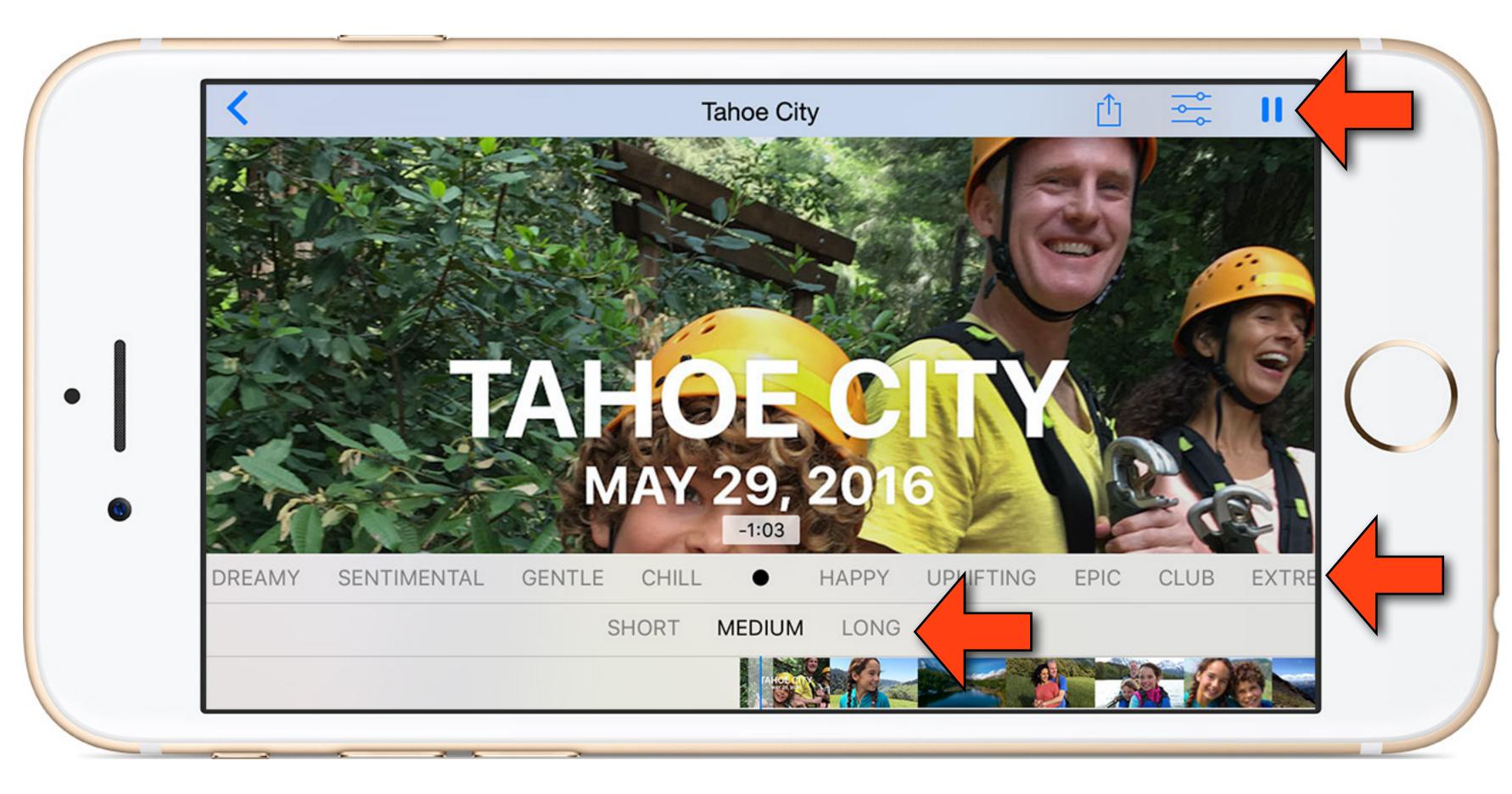
- Photos scans your library for people, places, holidays..., and automatically generates curated collections called Memories
- You can see them by opening the Photos app and select the Memories tab at the bottom
- You do have some options to edit a Memory if you wish
- Check back often to find new memories
- Memories can also be saved as videos and shared thru Mail, messaging, YouTube, a shared PhotoStream, etc...

Photos - Memories



- Scroll down in a Memory to view a summary of the photos. You can choose Show All to see every photo and video in the Memory.
- Scroll further to see the people included in the Memory, a map showing where the photos were taken, and a list of related Memories to explore
- At the bottom, you can find options to add the Memory to your favorites or delete it
- I've really enjoyed this feature. It can be very nostalgic to see old photos presented this way.





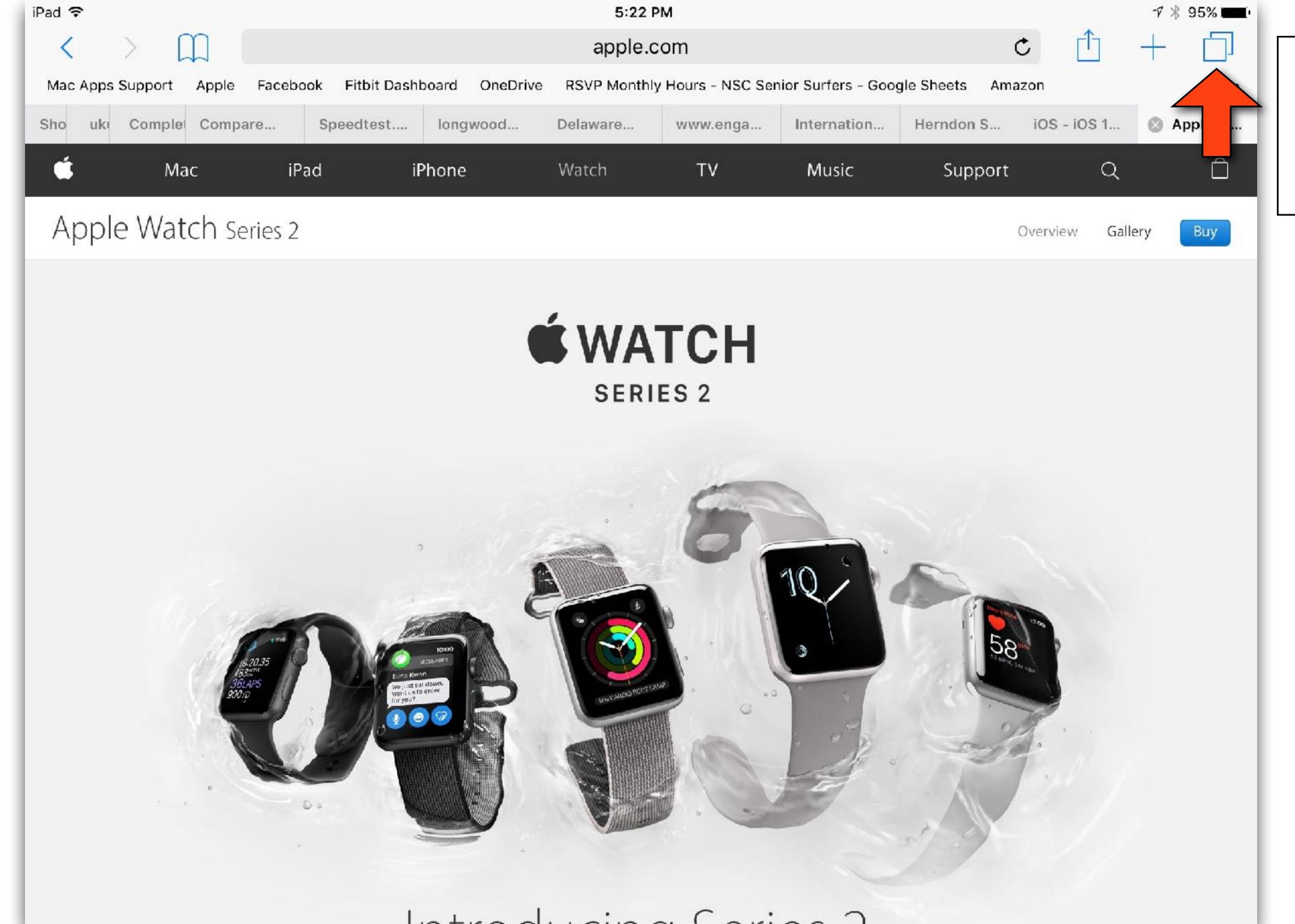




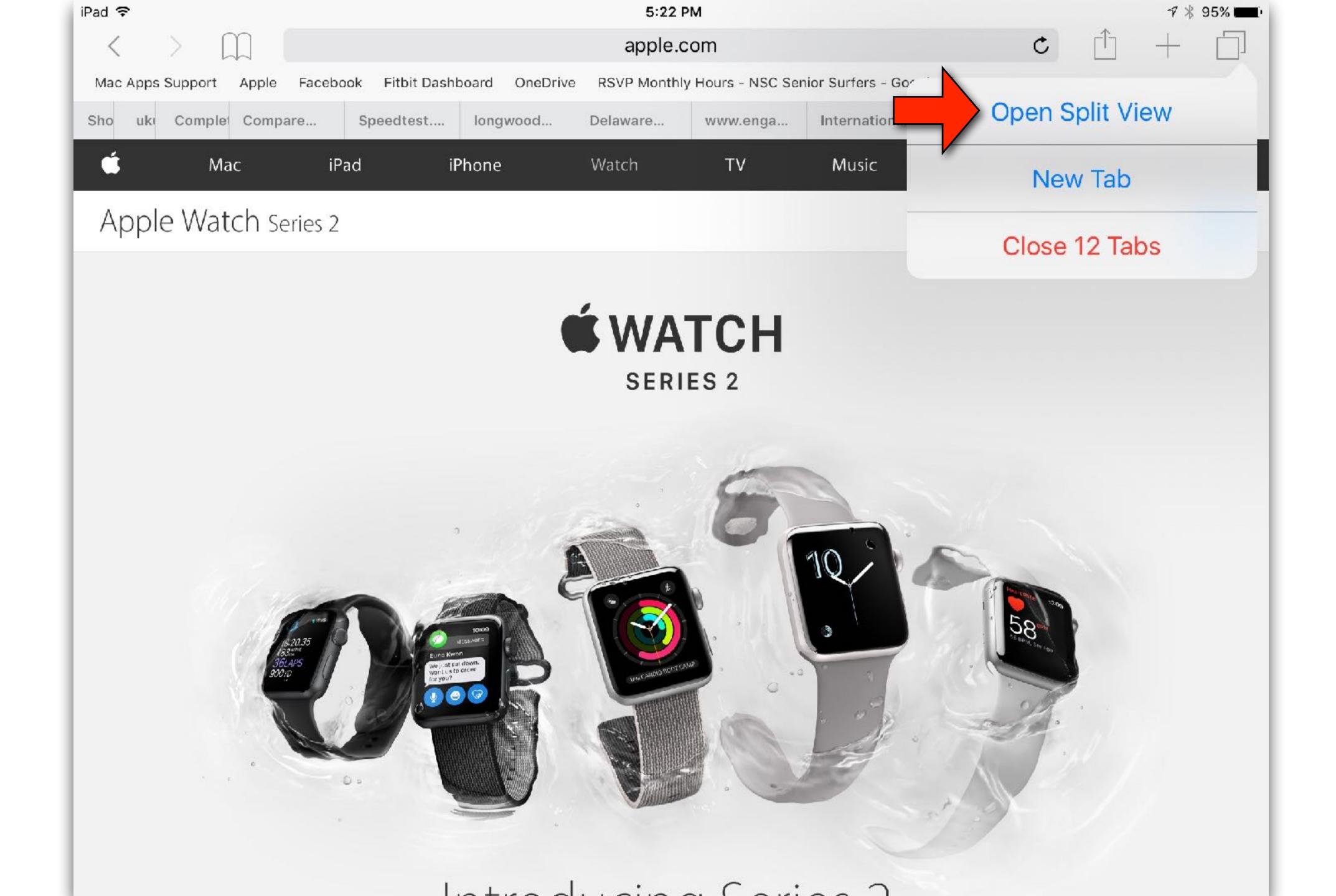
Safari Split Screen

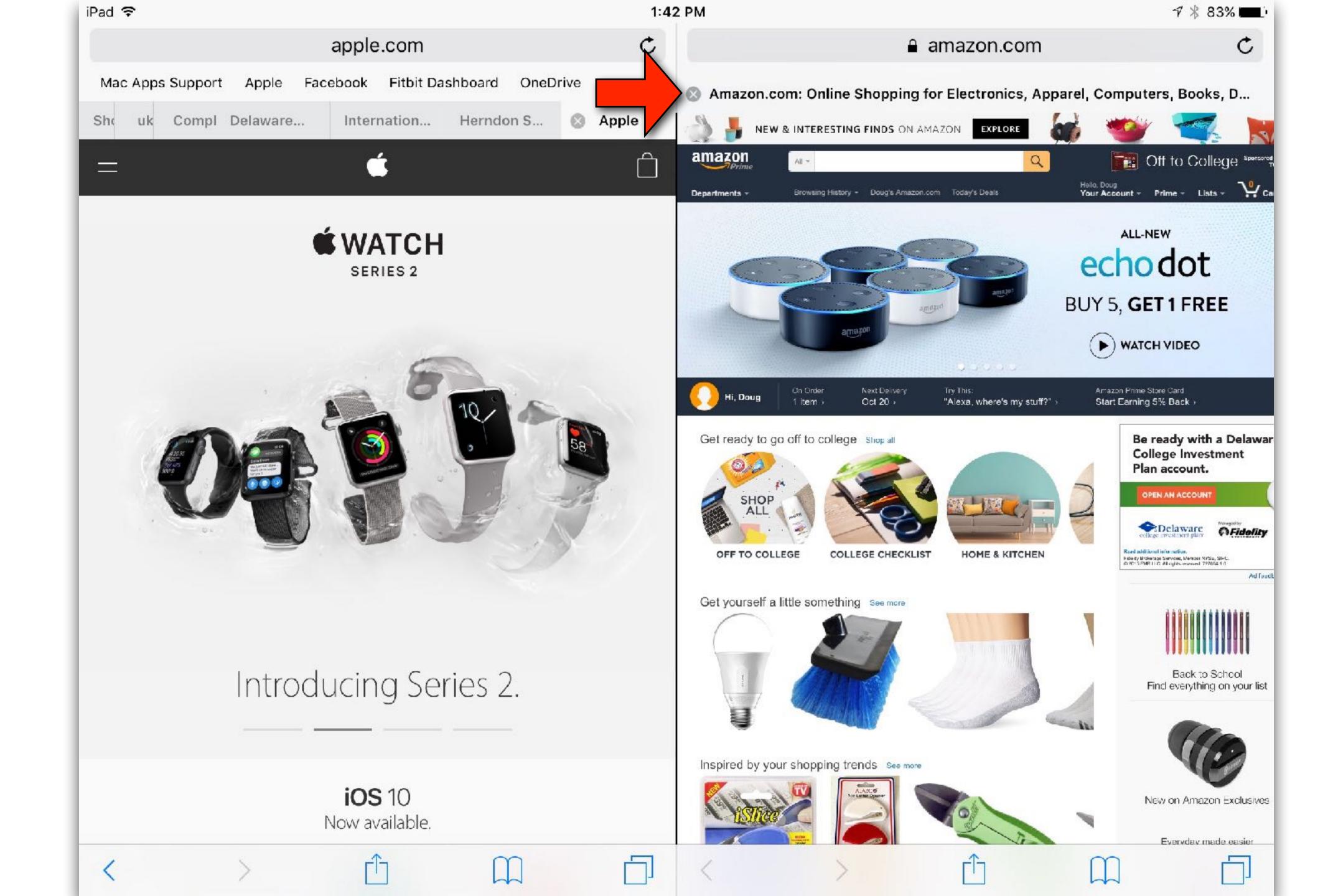


- Two Safari windows can now be opened side by side in one window on an iPad (Split view)
 - Open Safari holding the iPad in landscape orientation
 - Press <u>and hold</u> the tabs button on the right upper corner of the screen
 - You'll see the "Open Split View" option along with options for "New Tab" and "Close All Tabs"
 - To return to a single view, just close one of the windows



Press and hold

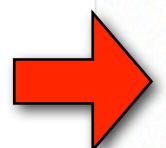




Swift Playgrounds



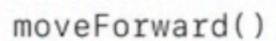
- Apple has released the Playgrounds app as a way to teach children how to code in the Swift programming language
- Don't let the "children" tag stop you from investigating it
- In Playgrounds, you create small programs and then you instantly see the results of the code that you write
- The interactive lessons teach key coding concepts by moving a character around to achieve various challenges
- You can also record and post videos of your programs in action



Goal: Combine move and turn commands to collect the gem.

This puzzle is just like the last one, but this time Byte needs to turn left to reach the gem. You can use the commands from the previous puzzle as well as a new command: turnLeft().

- 1 Plan the commands you need to make Byte move to the gem and collect it.
- 2 Enter your commands in the code area.
- 3 Run your code.



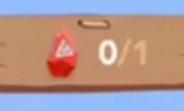
moveForward()

turnLeft()

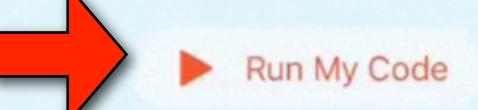
moveForward()

moveForward()

collectGem()









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moveForward()
moveForward()
turnLeft()
moveForward()
moveForward()
collectGem()

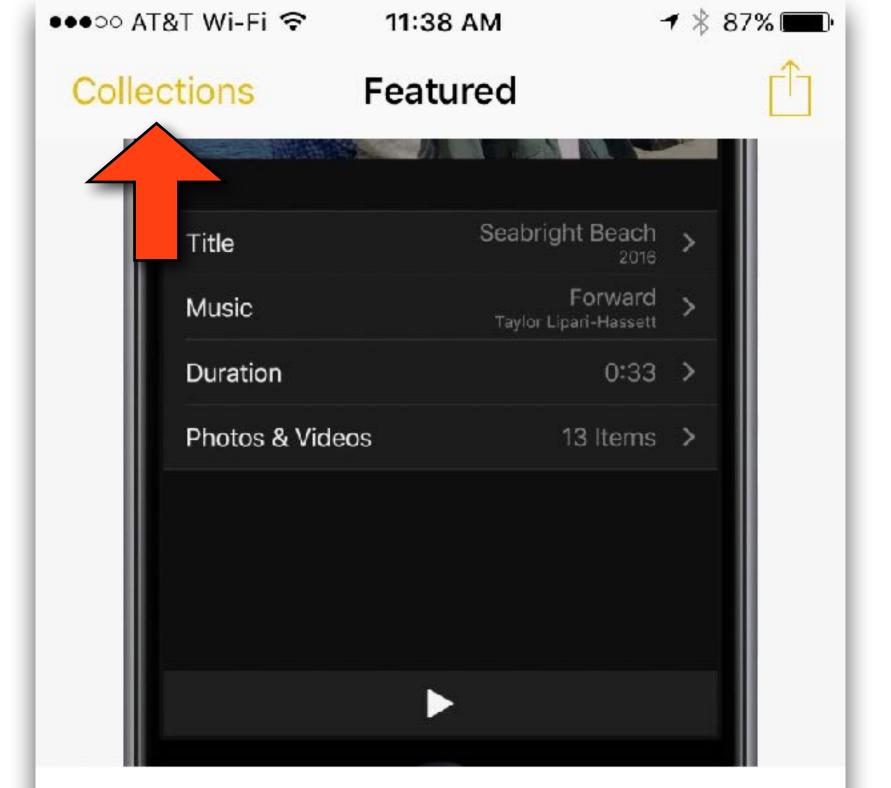




Tips



- The Tips app is a great way to learn more about your iDevice
- iOS10 adds a new feature in Tips called collections which allow you to view additional Tips focused on a particular topic
- Current topics are:
 - Featured
 - Everyday Essentials
 - Fantastic Photos
 - Master Messages
 - Genius Picks

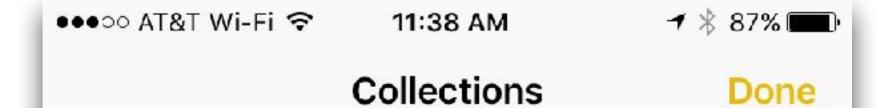




Fine-tune your memories

Photos can help you rediscover favorite memories by turning your photos and videos into a movie. To edit the Memory Movie, tap ₹, then change the title, soundtrack, content, and more.

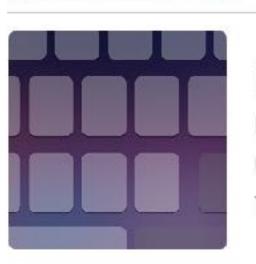
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Featured

Check back often to learn something new. 8 Tips



Everyday Essentials

Must-know features you'll love to use.

7 Tips



Fantastic Photos

Take pics like a pro.

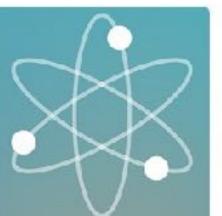
4 Tips



Mastering Messages

Quick, fun ways to stay in touch.

4 Tips



Genius Picks

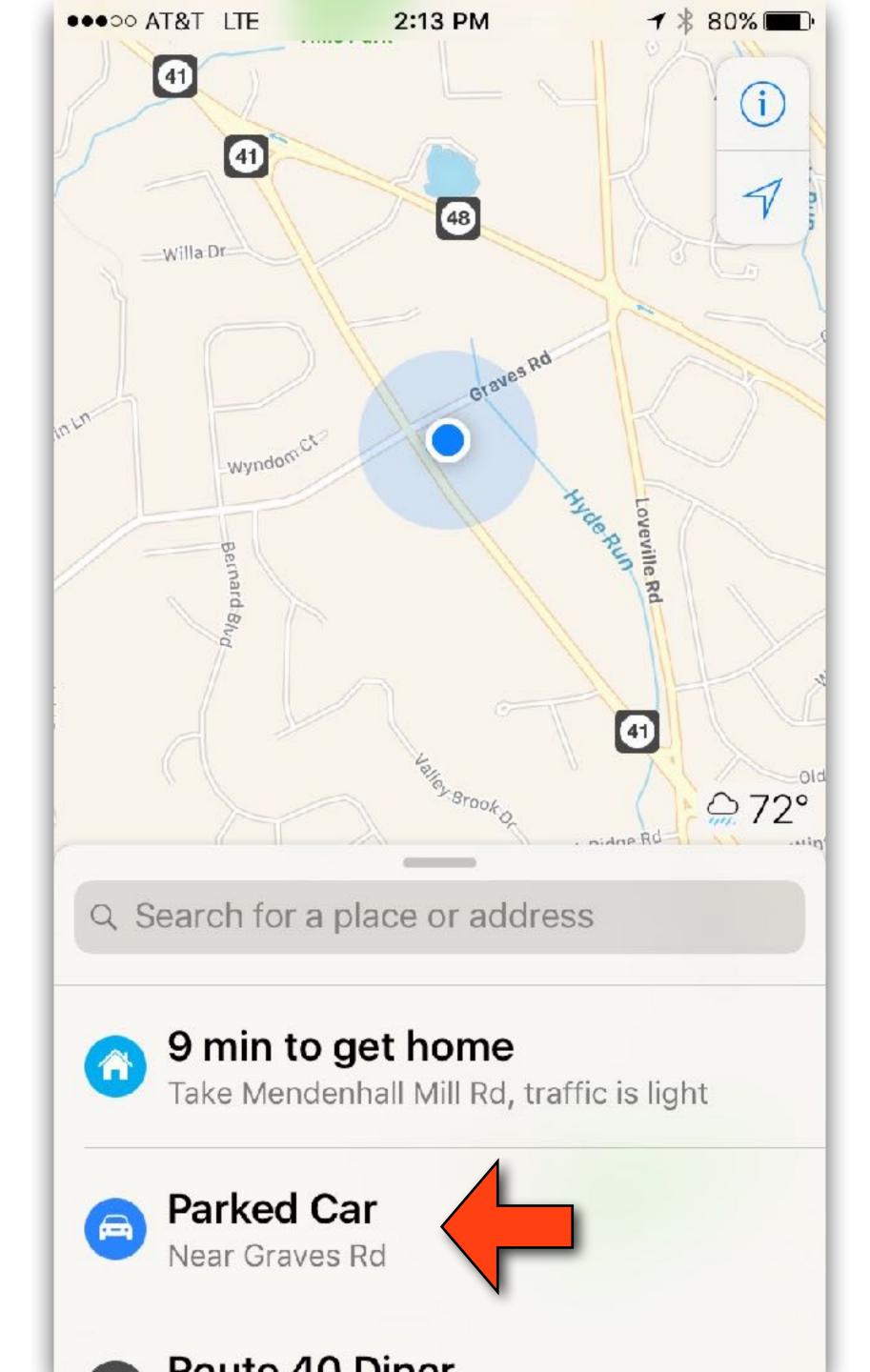
Favorites from our experts.

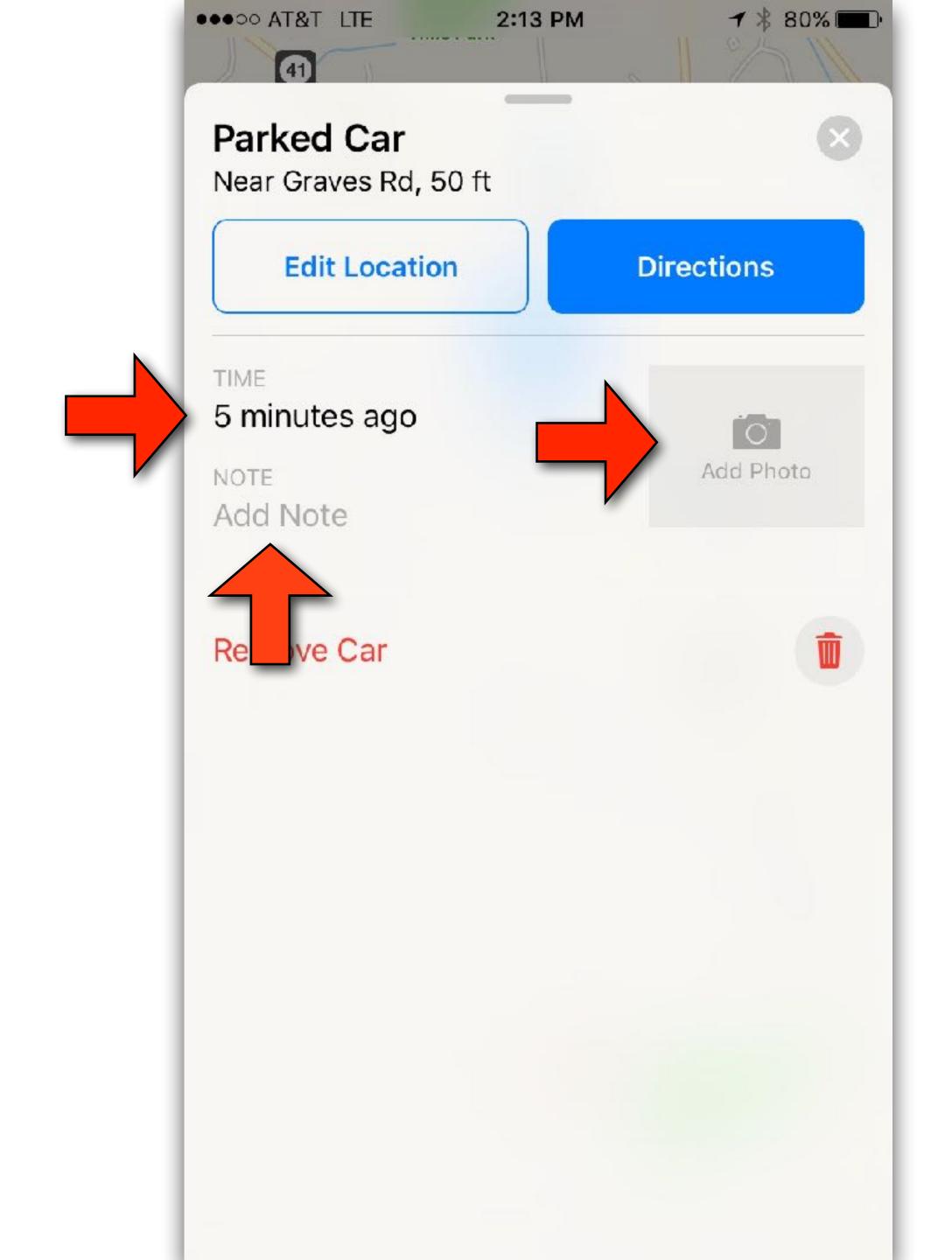
5 Tips

Maps



- Apple Maps will now automatically mark your location when you park your car without any no action on your part
- If you wish, you can also add text like "Parked in car park 2, section C, Floor 3" or even snap a photo of the parking spot
- As a bonus, it'll tell you when you parked your car (which is helpful with monitoring parking meters)
- Note: This only works if you connect to bluetooth in your car.
 When you disconnect from your car's bluetooth, it knows you've parked





MacOS Sierra

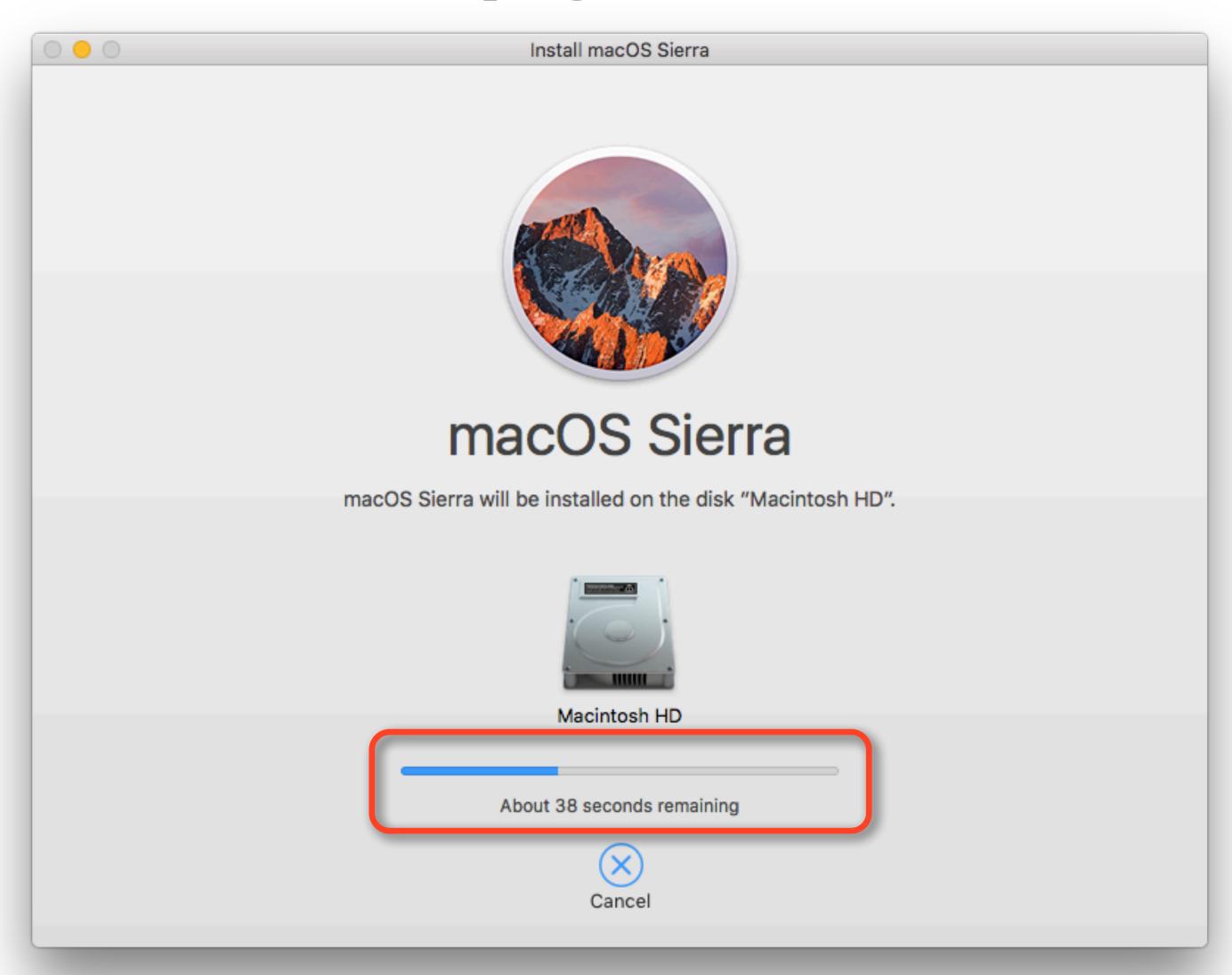


General Comments



- I upgraded as soon as it was available.
- The download button did not appear to have any affect at first and the download took over an hour. (Apple Servers?)
- The install took a couple of hours, and at several points the upgrade seemed stalled. The progress screen was stuck on 33 minutes for about an hour
- Bottom line: Be patient
- Note that even after the install, performance was dismal for quite a while

Upgrade

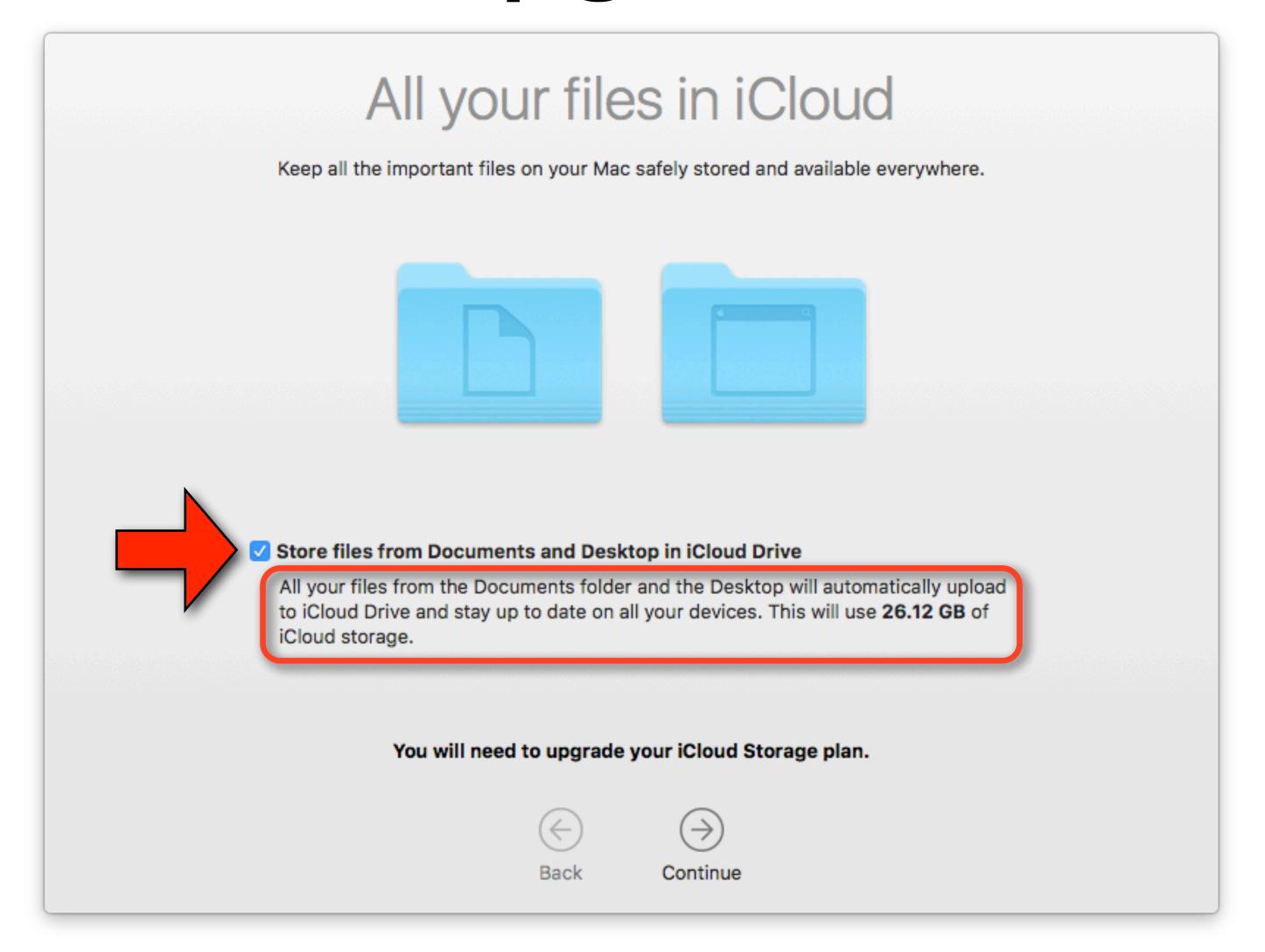


General Comments



- When upgrading you are asked if you wish to store files from the desktop and documents to iCloud drive.
- This seems like a good thing to do, but pay attention to the storage requirement. In my case, this would require over 26GB of storage which would over run my 5GB storage plan. You have to unclick the option if you don't want it.
- It's very important that you read the screens as they come up and pick the right options. The screens for this update seemed straight forward, but you need to read them.

Upgrade



General Comments



- The upgrade seems to be a pretty minor one feature wise
- I don't think anyone will be uncomfortable with the new OS
- In fact I believe some people could upgrade and not be aware of the changes
- While the Messaging App visually supports most iOS features, you do not have the ability to initiate stickers, apps, or the visual affects you can in iOS

Photos Upgrade



- The new Photo's app needs to scan all your photos to enable advanced search capability. You start the scan from Photos, but to complete it, you need to close the app and have your Mac plugged in.
- If you open the app and go to the "People" album, it will give you an indication of how the scan is going.
- I have over 30,000 photos. The scanning process is very slow (Approximately 2,000/hour). While this is happening, performance is impacted

Photos Upgrade

6,501 Photos Scanned

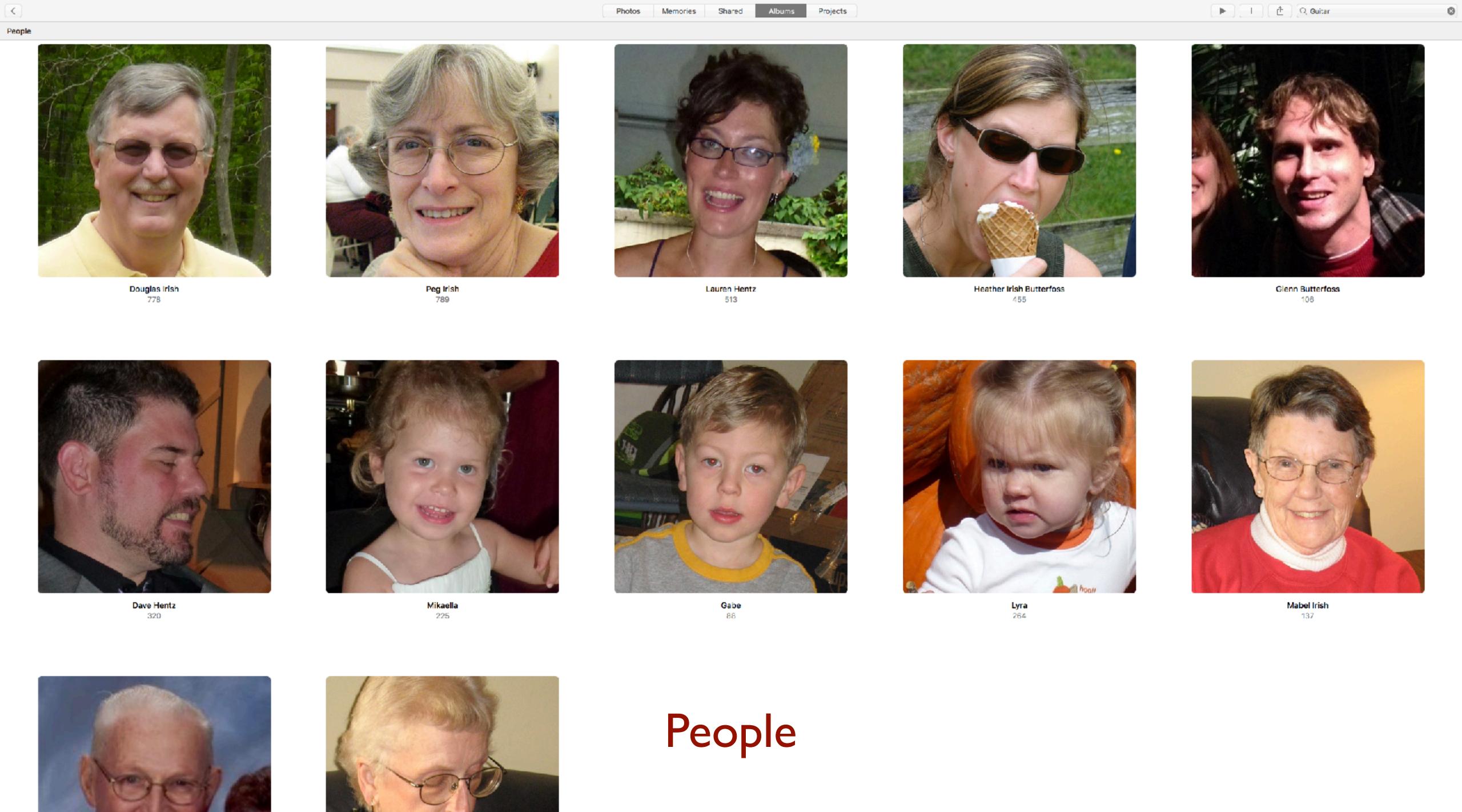
Photos will continue scanning your remaining 27,227 photos when you're not using the app and your Mac is connected to power.

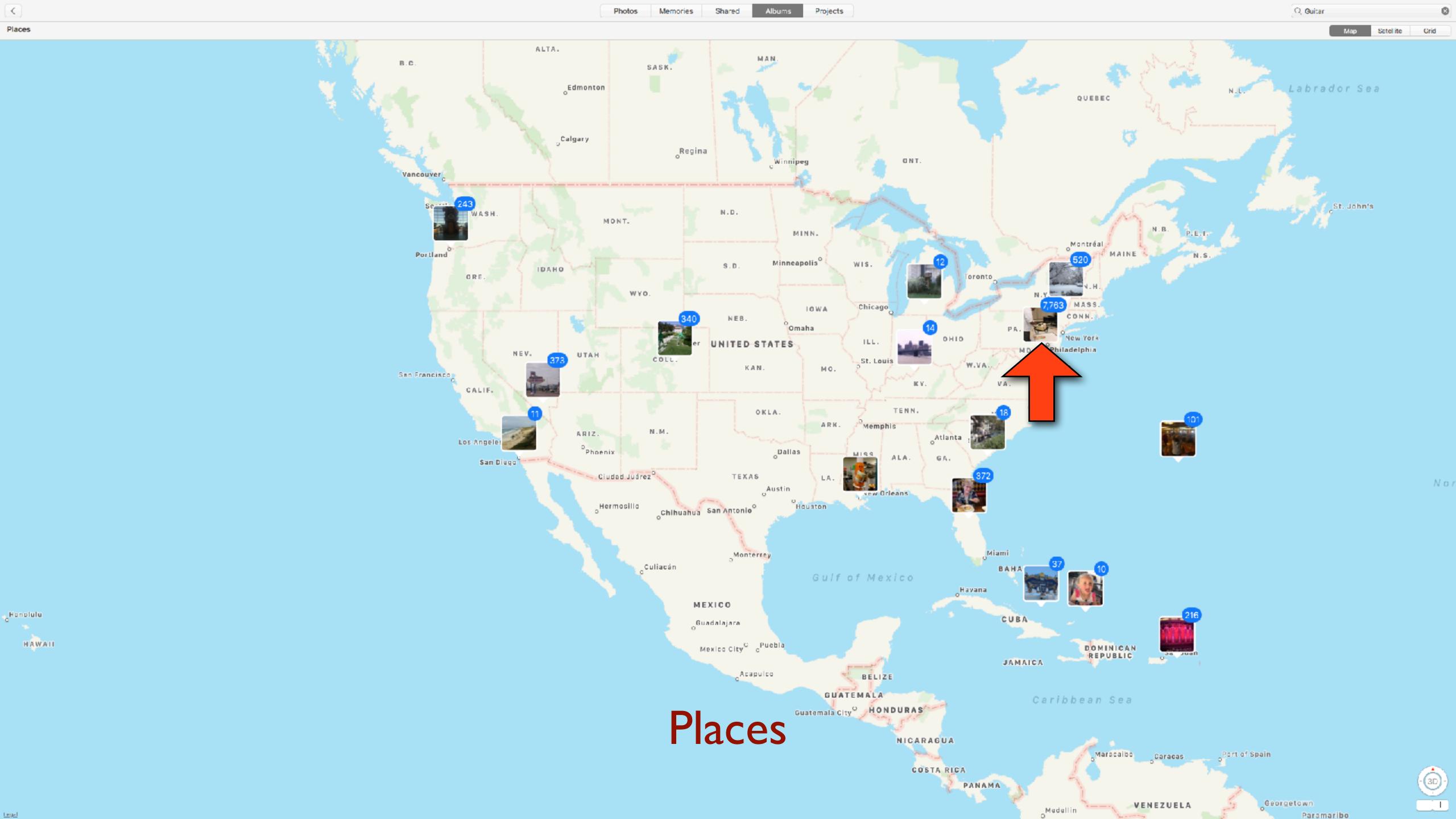
View People Album

Photos



- Photos for Sierra also has the new Memories option, however it's editing capabilities is more limited than iOS (?)
- Photos for Sierra also has:
 - Improved face recognition
 - A world map that displays all your photos. You can view photos from any location on the map. If you zoom in on the map you get more differentiation on locations
 - An intelligent search feature that allows you to search your entire library for objects, scenery, or faces.



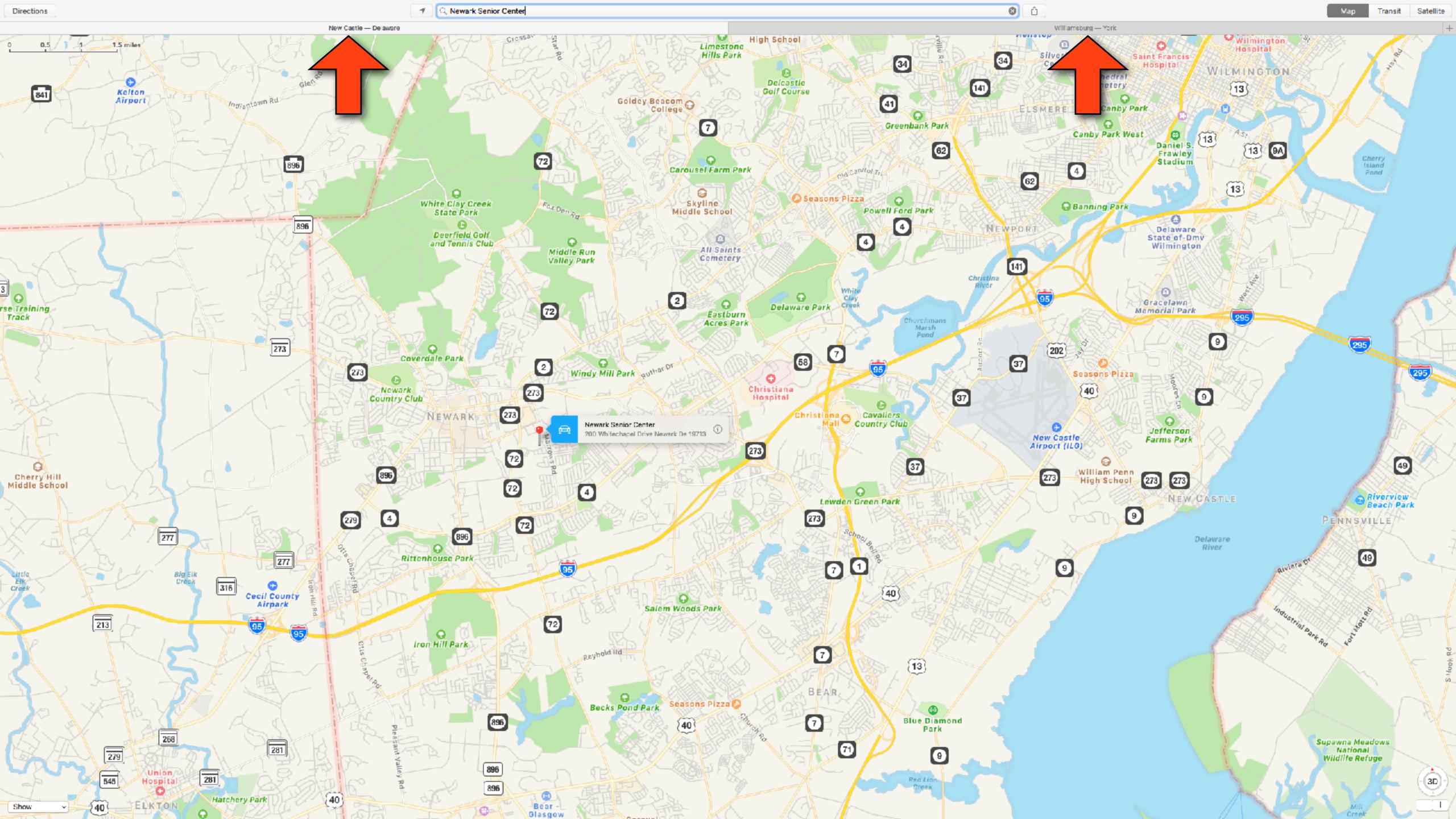


263 Possible Matches Object Search

Tabbed Windows



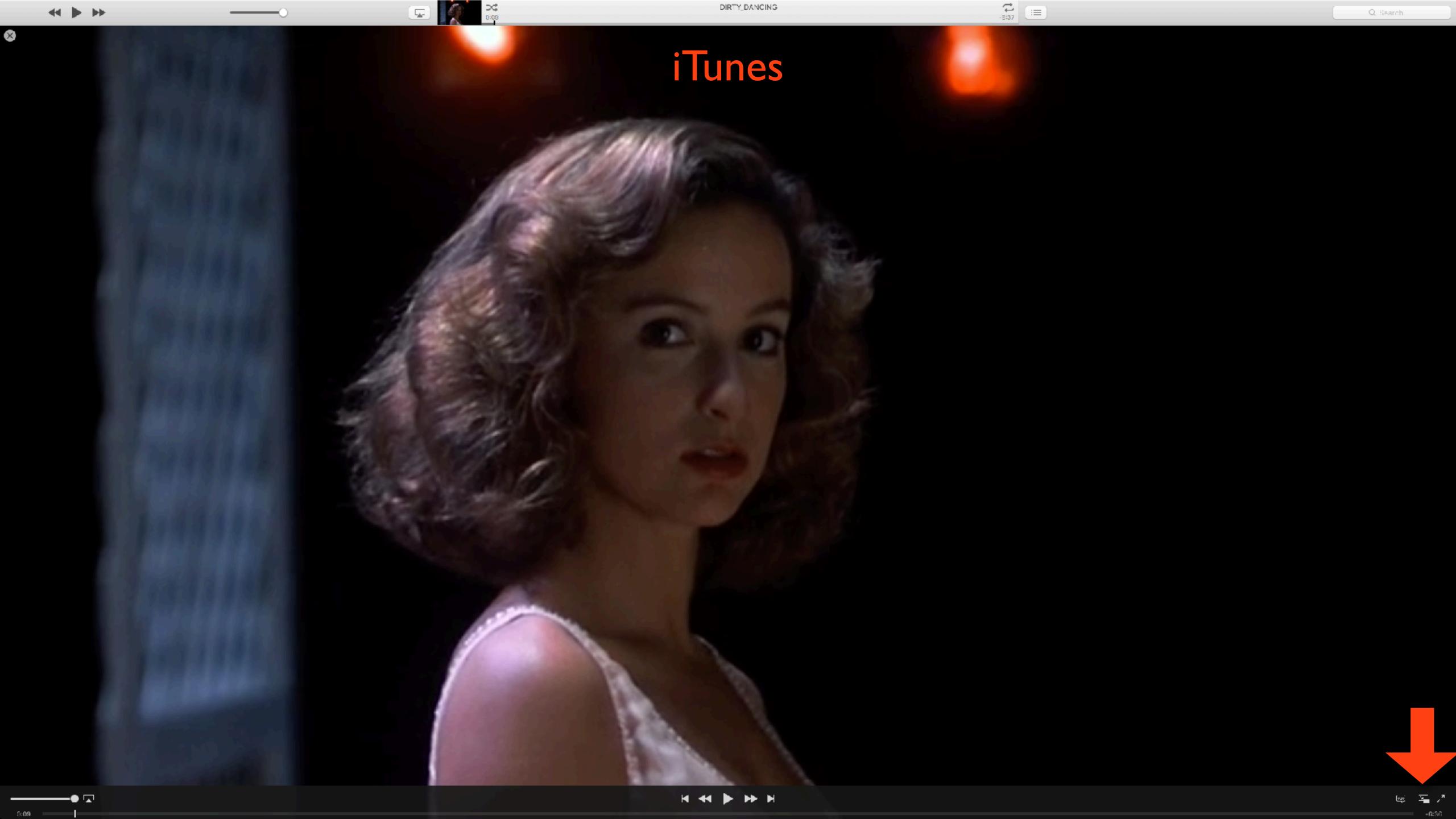
- Apple introduced tabbed windows for Safari and Finder in the past
- With Safari, all applications can use tabbed windows. Most Apple apps can do this now, and 3rd party developers will likely follow.
- In some applications, opening a new window, will automatically create a new tab.
- In some cases you might have to use "Command-T"
- In some cases you can take separate open windows and merge them with the Merge Windows command from the Windows menu

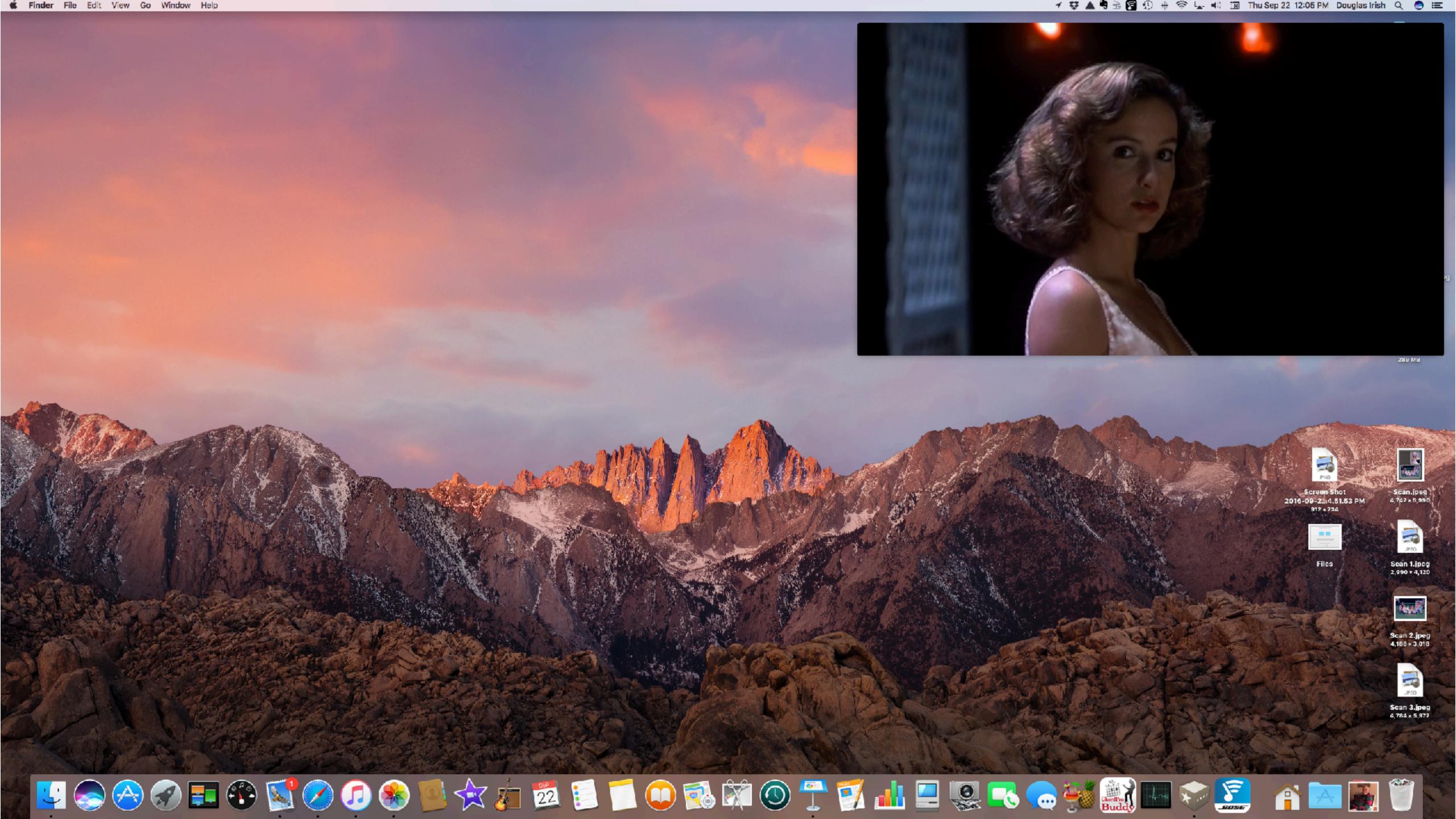


Picture-In-Picture



- You can now have a video running on your screen in Picture-in-Picture mode no matter what you are doing on your Mac
- You can drag the PIP to any quadrant of your screen
- In iTunes, (or if the video provider supports it) all you have to do is hit an icon on the lower left of your screen
- For YouTube and other video providers that haven't provided this yet, you can double right click and select enter Picture-In-Picture
- To return to normal mode, just hover over the video and click on the PIP icon









Apple Special Event Bill Graham Civic Auditorium, San Francisco

Show Controls

Enter Full Screen

Enter Picture-in-Picture

Open Video in New Window

Copy Video Address

Share

Save full page to Evernote Save screenshot to Evernote Save selection to Evernote Save bookmark to Evernote

Inspect Element

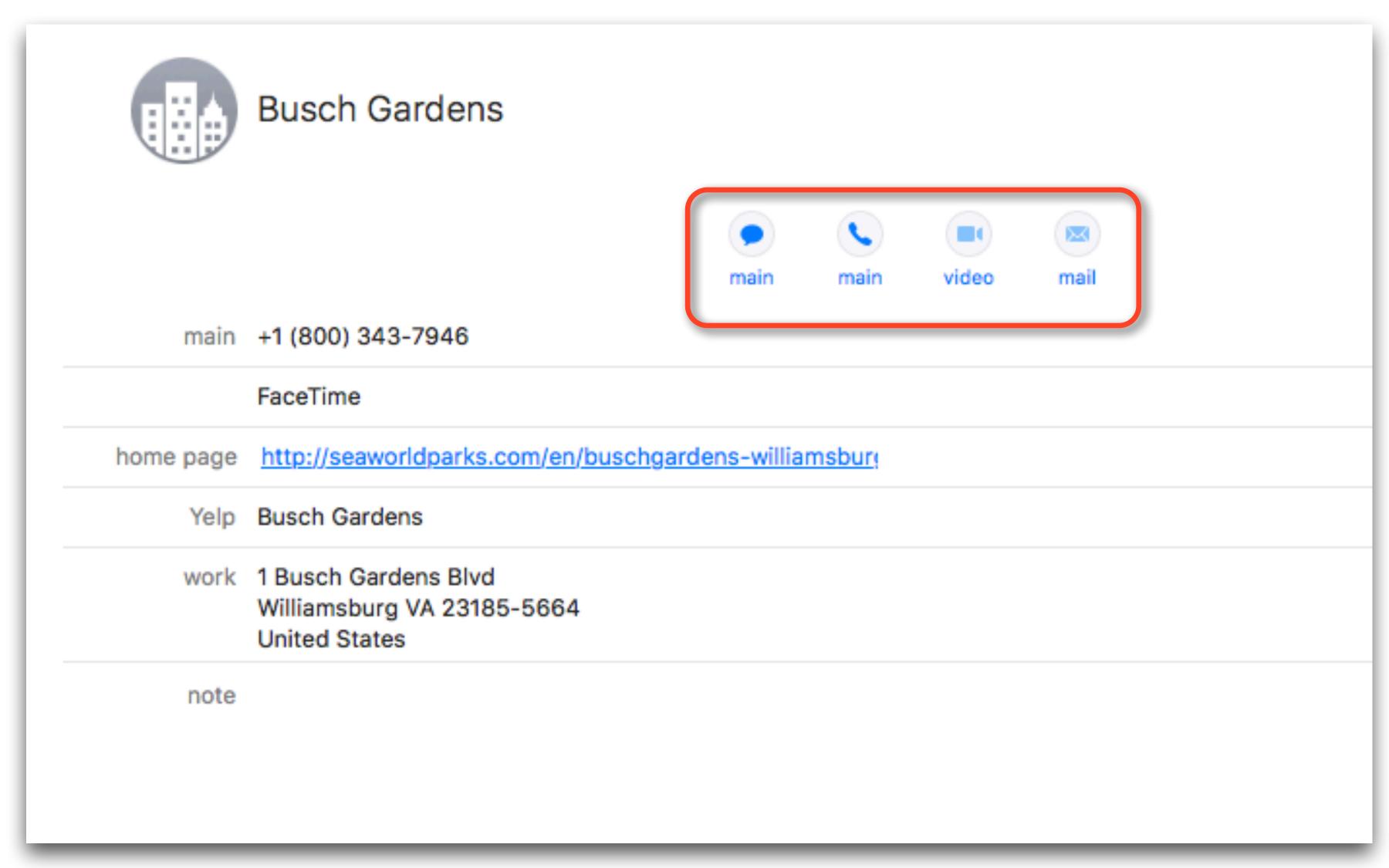
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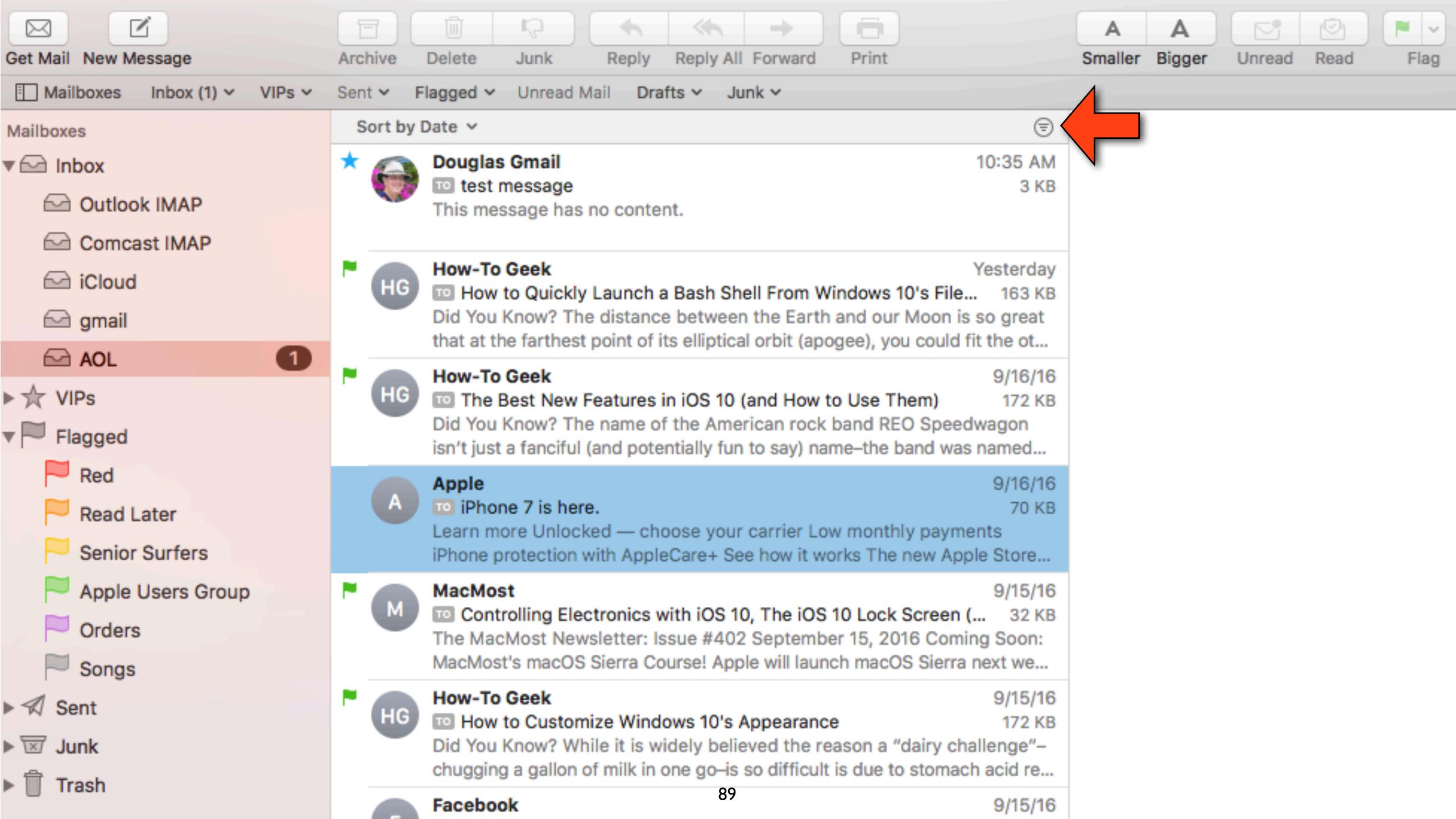
New Contact Interface

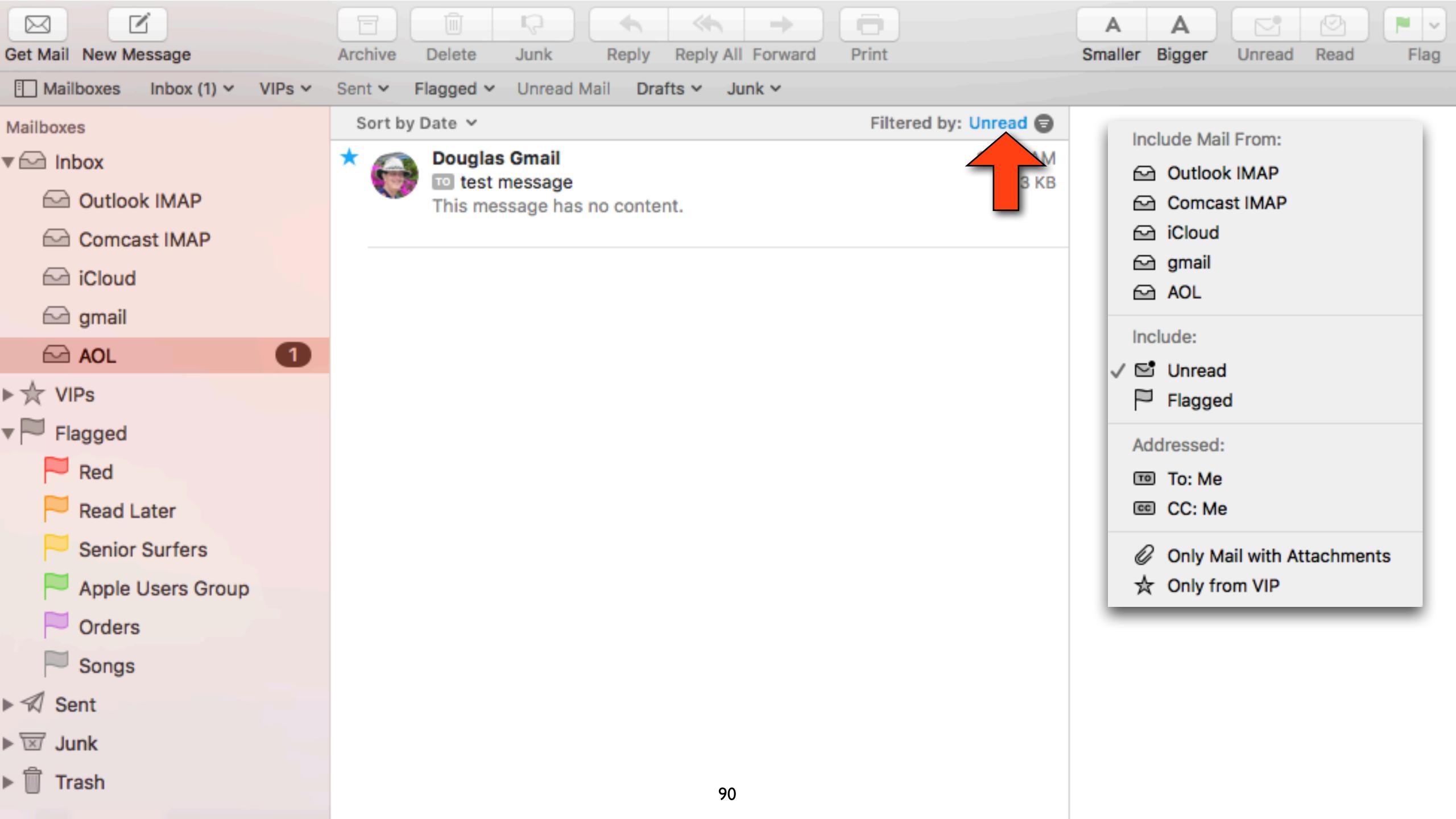


Mail



- You now can filter messages much like in iOS
- It can be a little tricky to find. It's a very small icon right above your message list on the right.
- The filter is set by default to unread mail in all your mail accounts
- Click on "Unread", and you can change your filter to include specific accounts, flagged messages, messages with you in the To: or CC: field, messages from VIPs, or messages with attachments.
- It's a pretty useful feature so try it out!





Siri



- Siri is now on the Mac!
- You can start Siri from the Dock, the Menu Bar, or from a keyboard shortcut (Holding down Command Space)
- Ask Siri "What can you do?" to see examples of things you might want to try
- You can drag the results from a Siri search to another app or the desktop
- You can also pin the results to your notification center for future reference (in the Today tab)

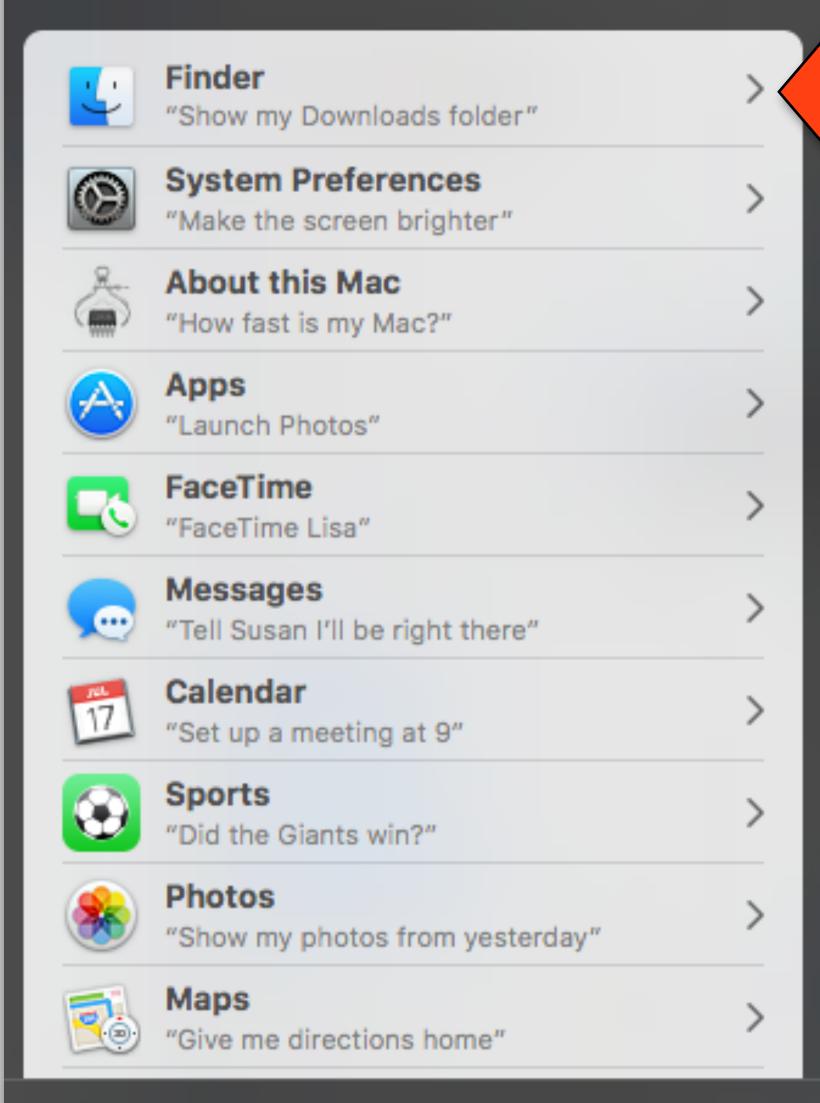




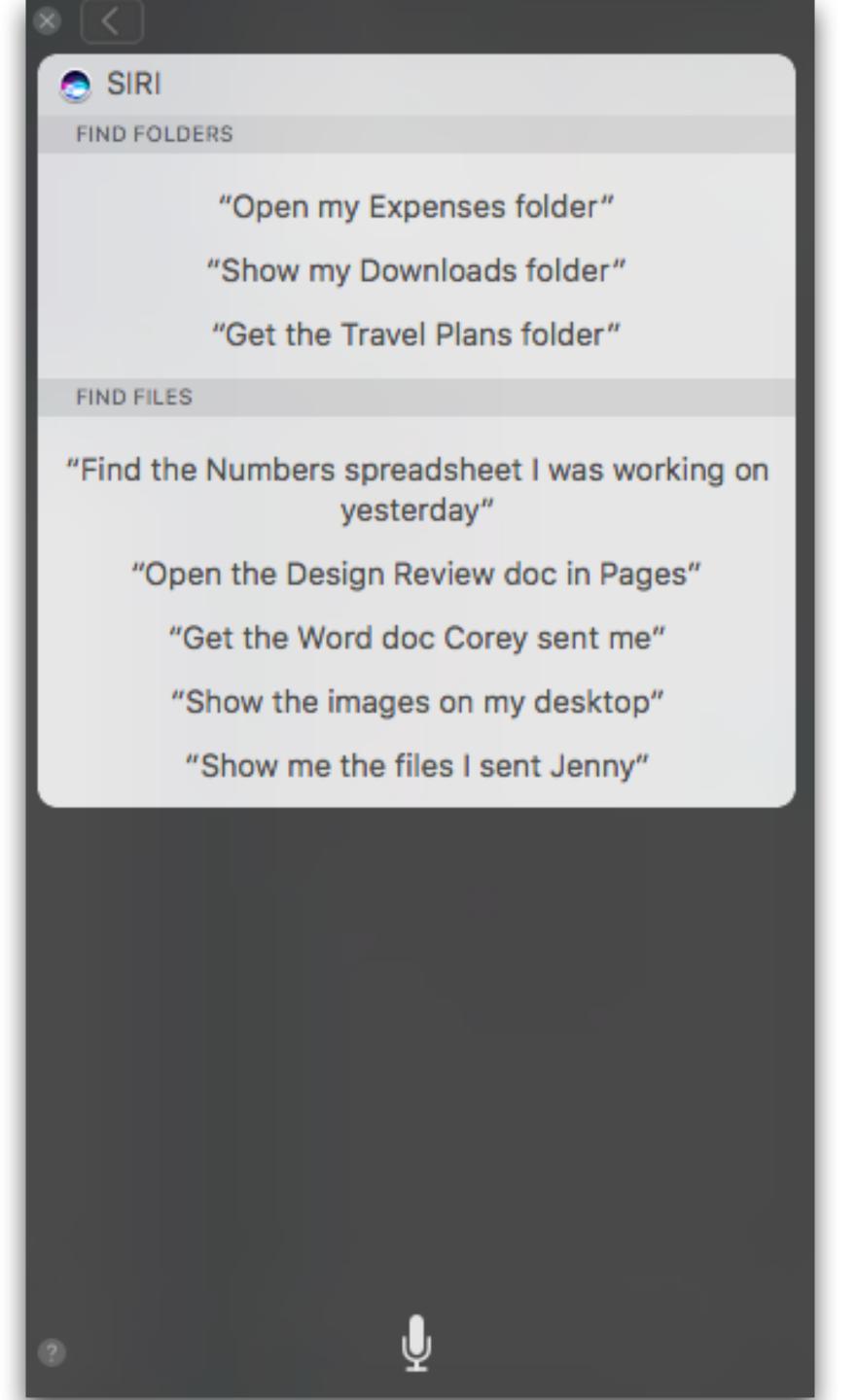


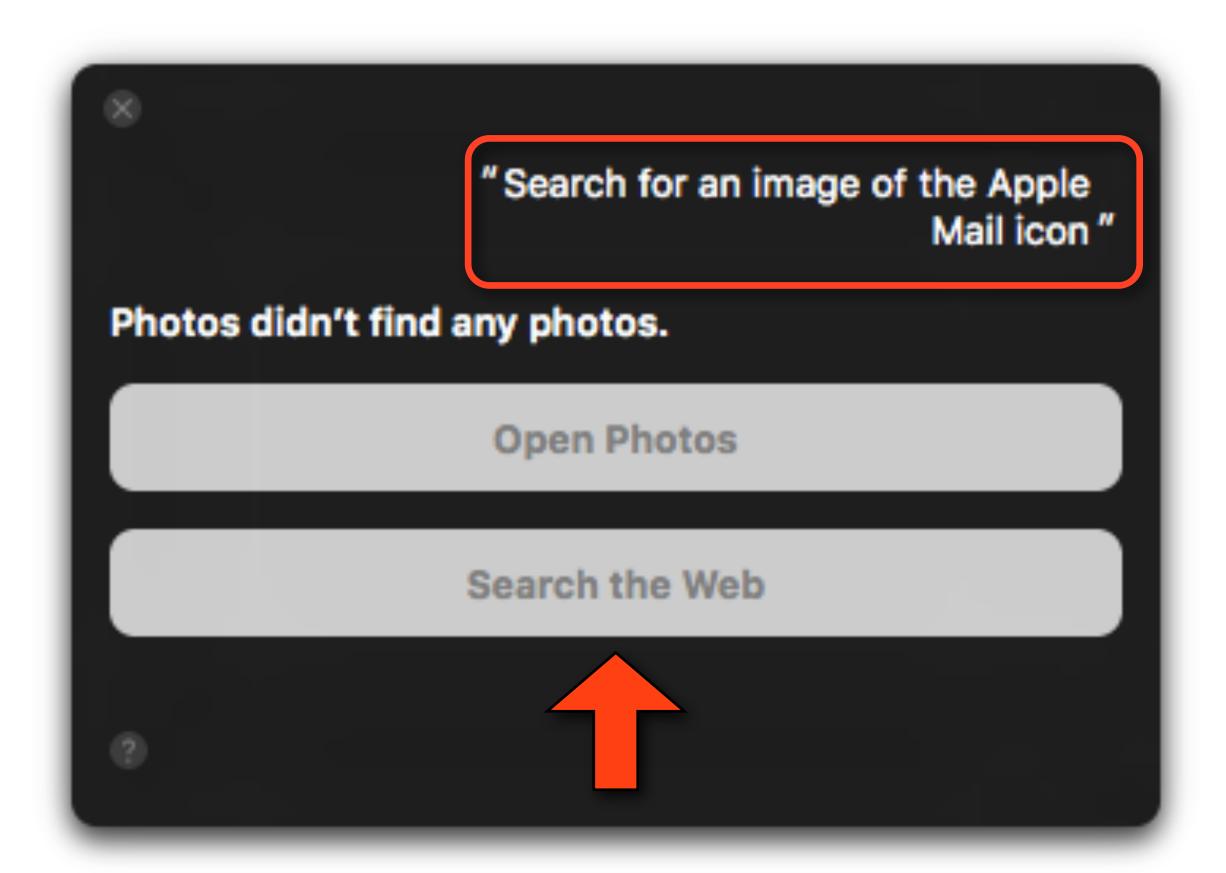


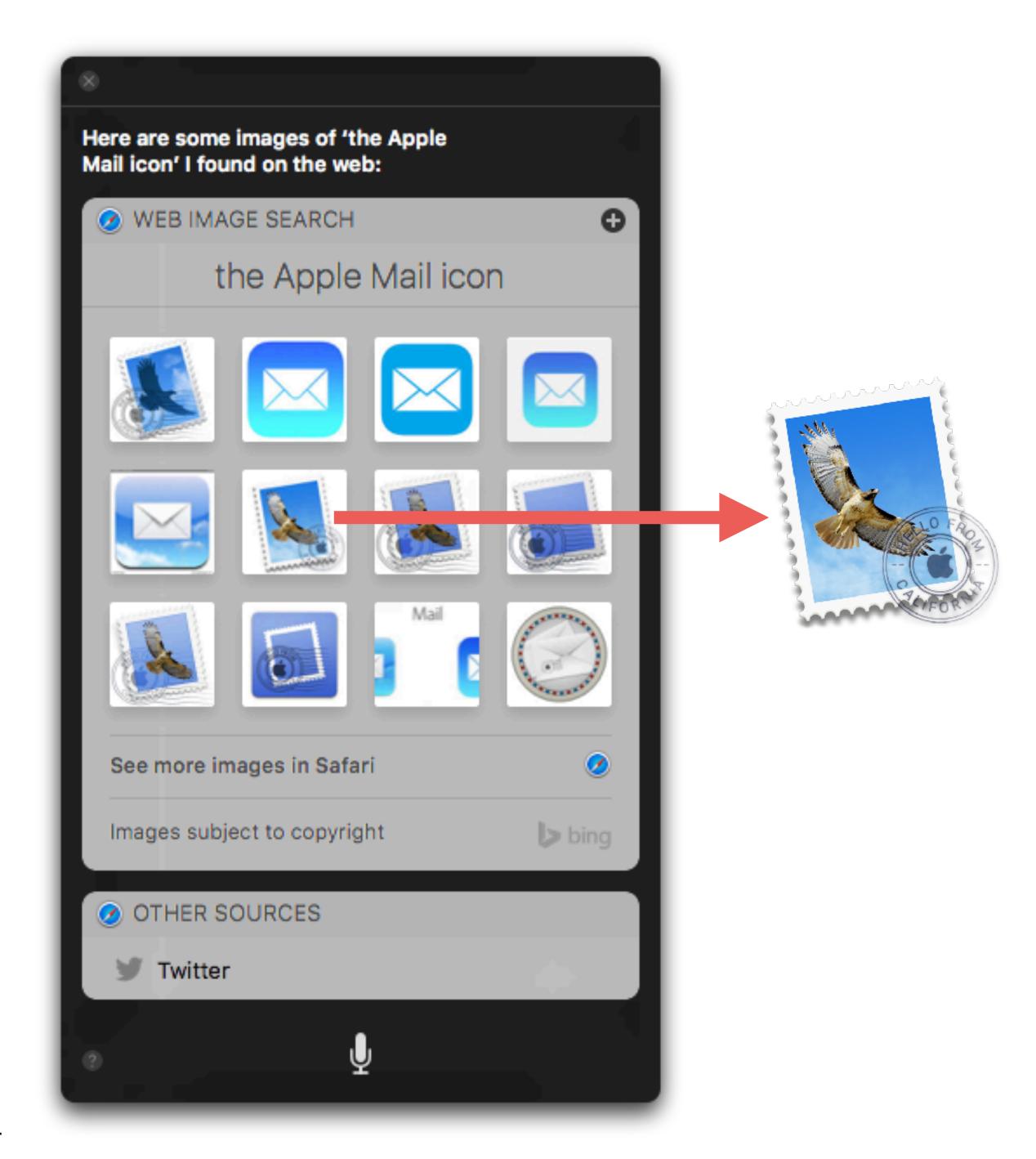
Some things you can ask me:

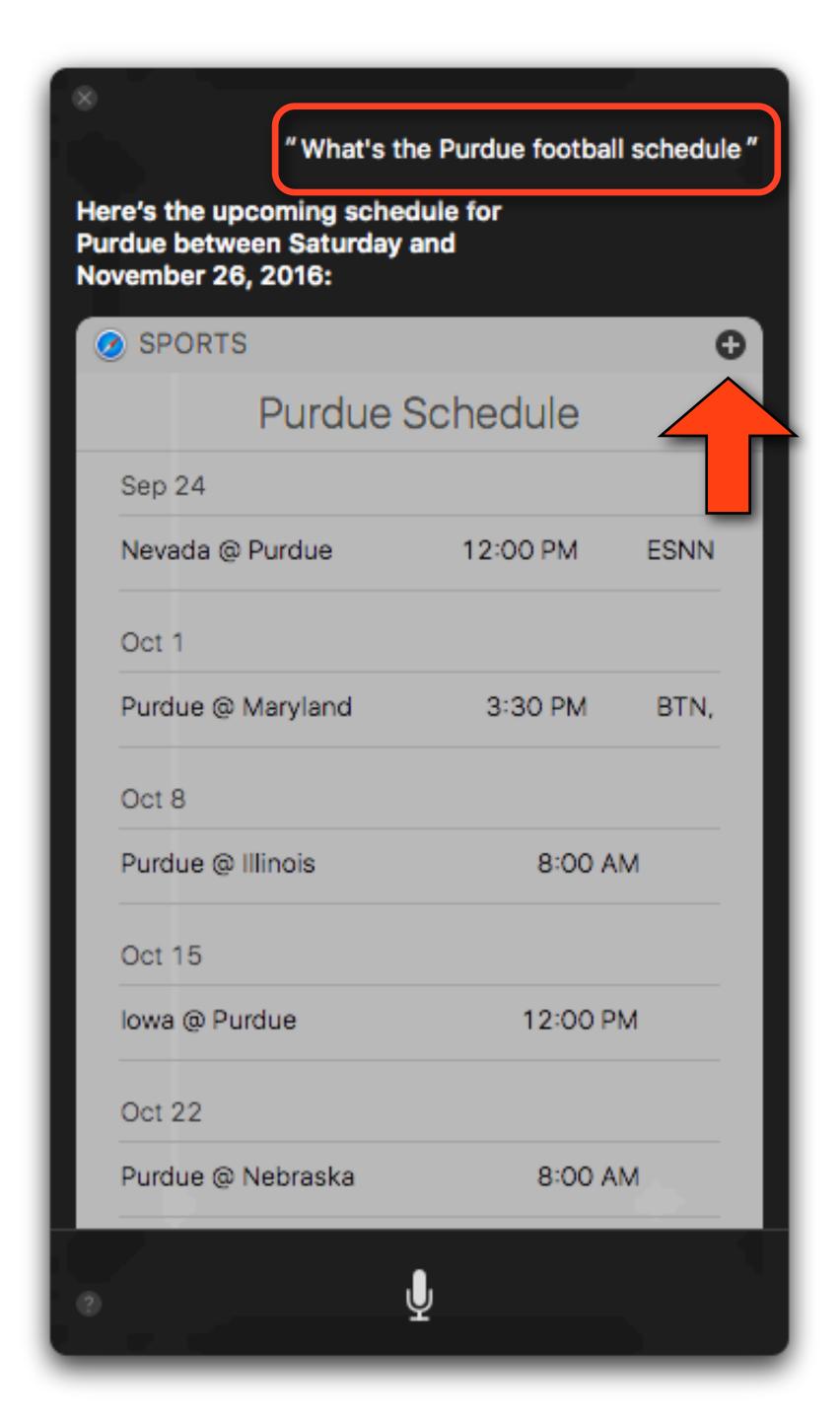


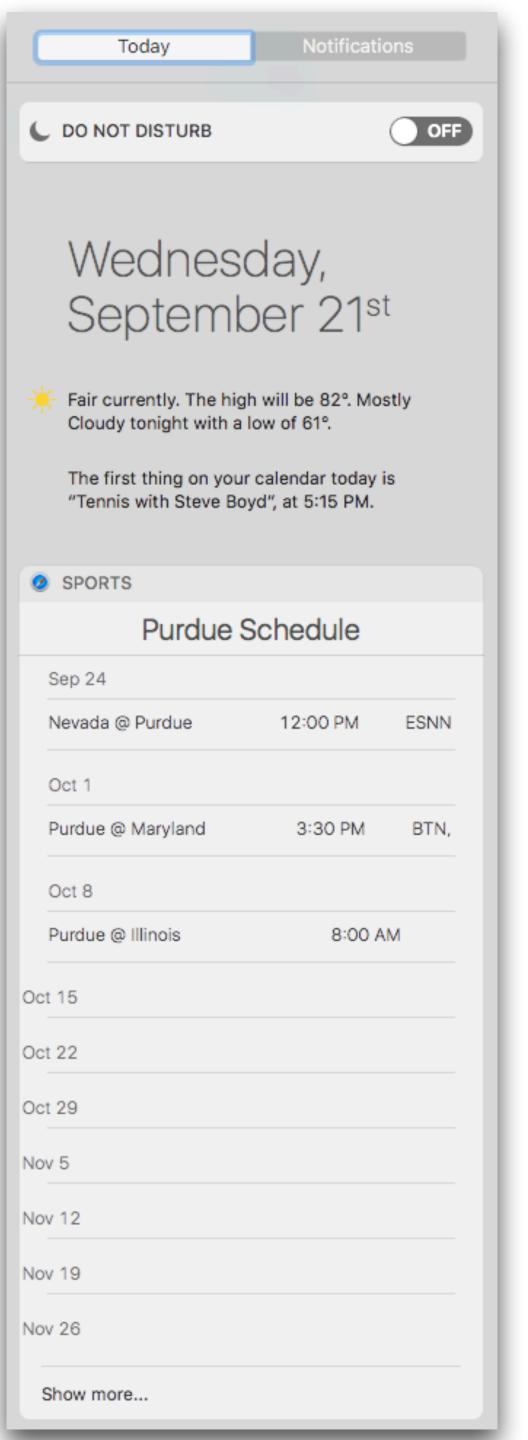


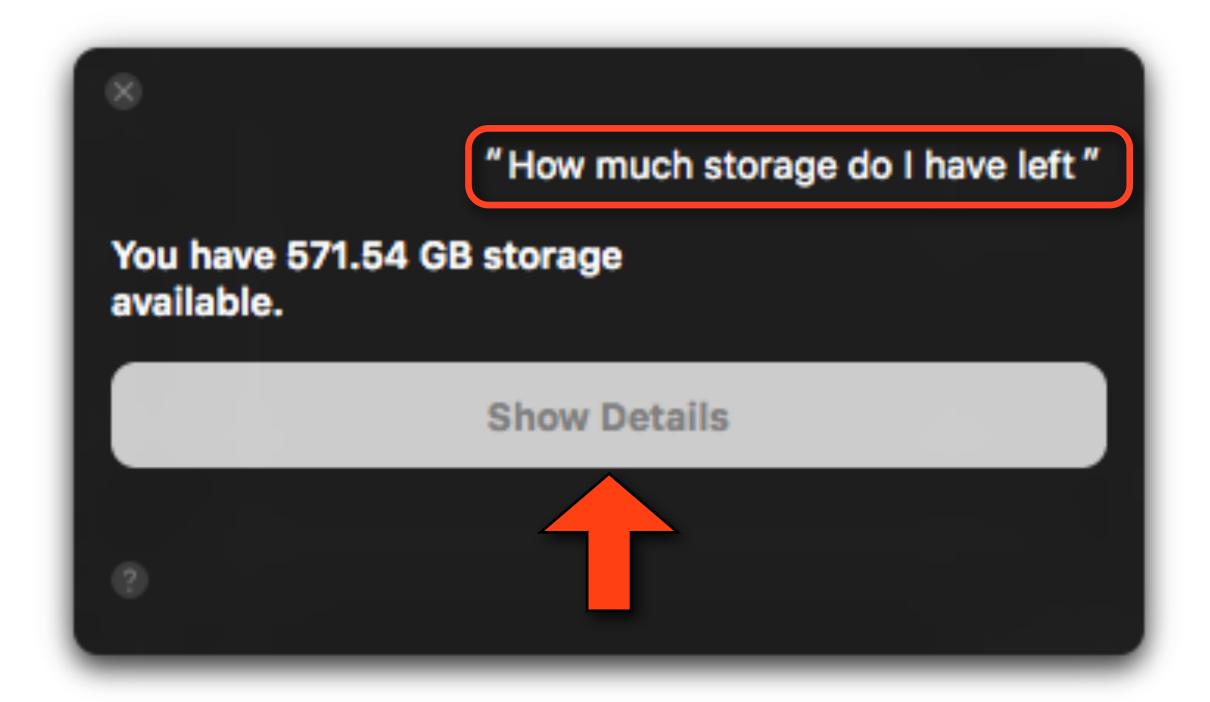


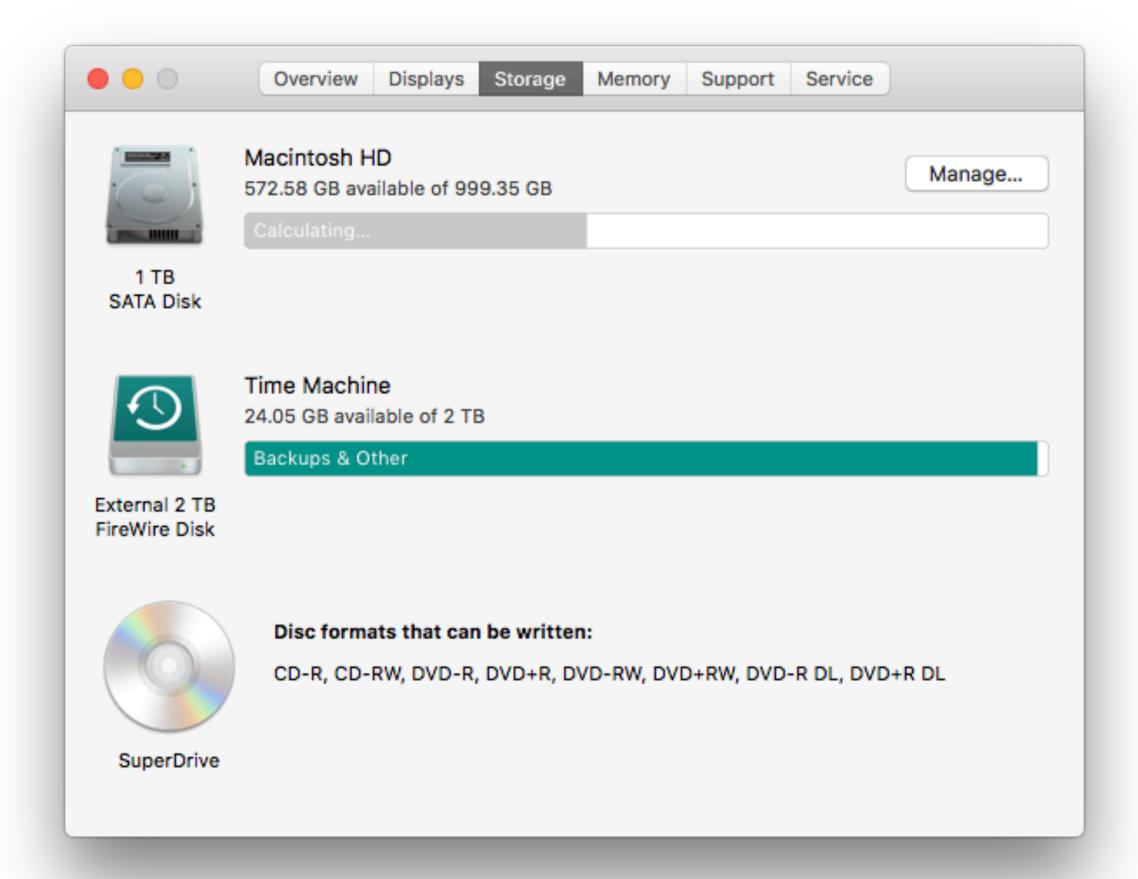










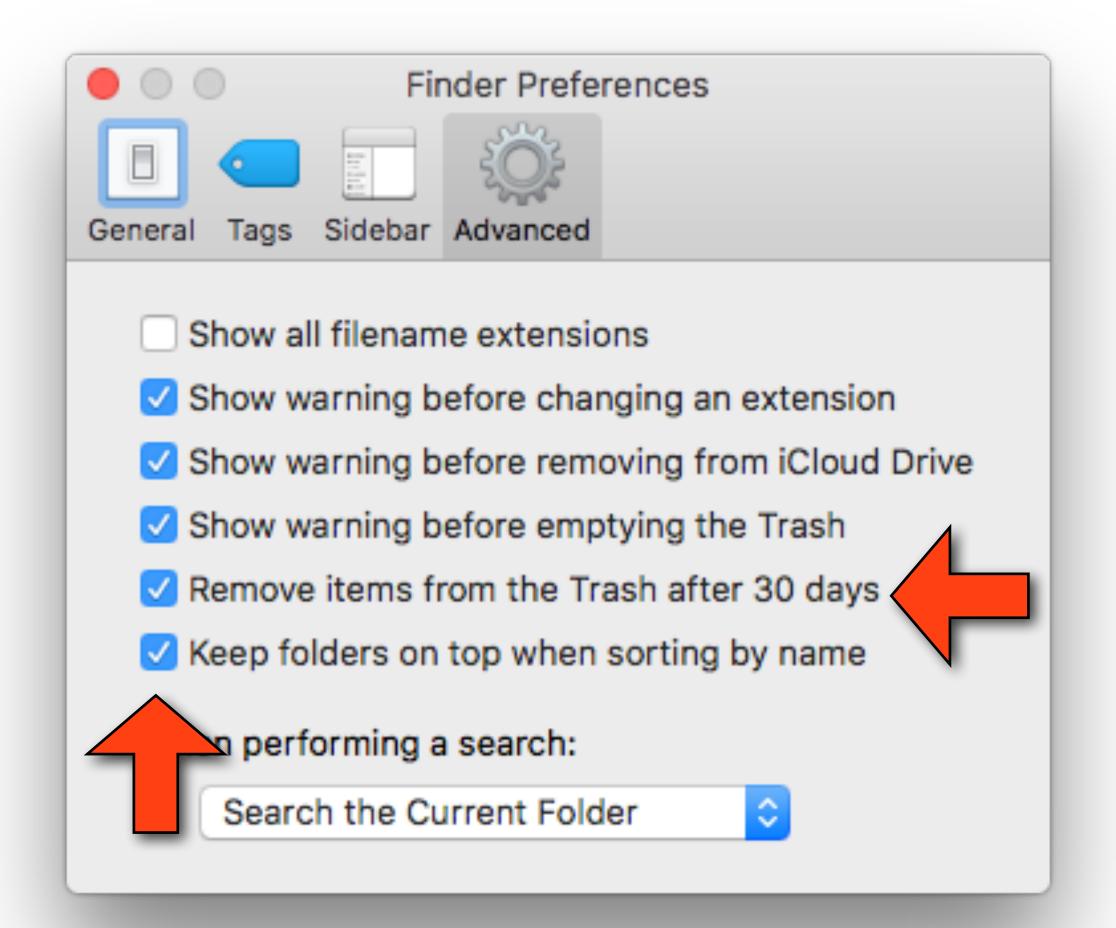


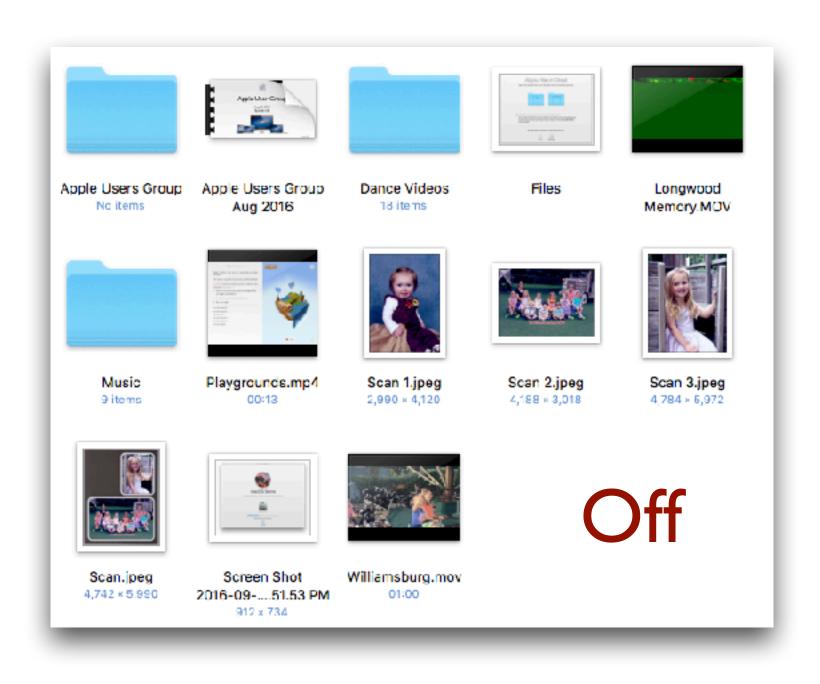
Finder Preferences

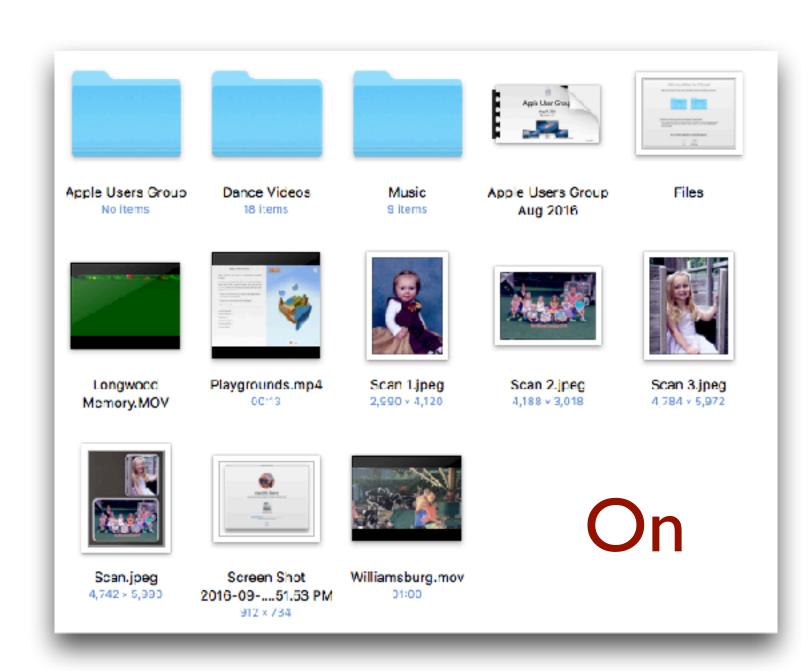


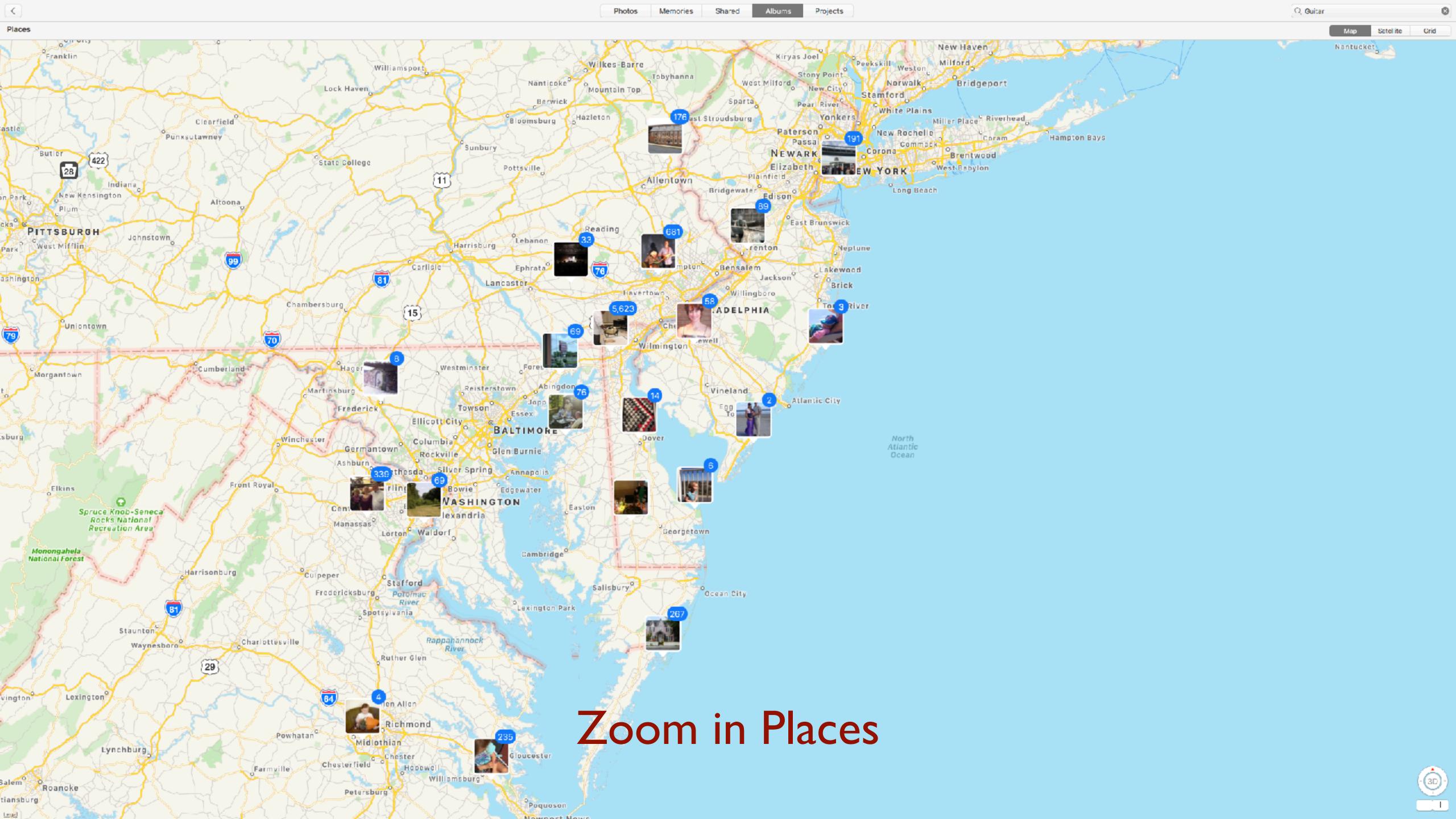
- There are a couple of new items in the Finder preferences
 - Empty Trash after 30 days: I believe everyone should have this enabled
 - Keep Folders on Top when sorting by name: This means the folders will come first in the finder window, then the other files. All sorted by name. This is the behavior I usually want in the finder.

Finder









Misc Items



- If you use command +/- to change the font on web sites, you found that if you closed and opened Safari, you had to reset the font size again. This is no longer the case. Safari remembers the font size now.
- Continuity: Universal Clipboard allows you to copy on one device and paste on another compatible device.

iOS 10	macOS Sierra
iPhone 5 or newer	MacBook (Early 2015 or newer)
iPad Pro	 MacBook Pro (2012 or newer)
iPad (4th generation)	MacBook Air (2012 or newer)
iPad Air or newer	Mac mini (2012 or newer)
iPad mini 2 or newer	iMac (2012 or newer)
iPod touch (6th generation) or newer	Mac Pro (Late 2013)



Any Questions?

Thank You!

