Cove Apple Club

April 9, 2014

Tonight's Topics

❖ The Heartbleed Bug

❖ Lock down your Mac

❖ Notes on iOS and OS X

❖ Wolfram Alpha

The Heartbleed Bug

❖ "Catastrophically bad" bug discovered last week in the central security protocol used by millions of Internet servers

❖ Far worse than the Apple "Goto Fail" security bug earlier this year

❖ Allows an attacker to scoop up large chunks of a server's internal memory from what should be an secure, encrypted connection
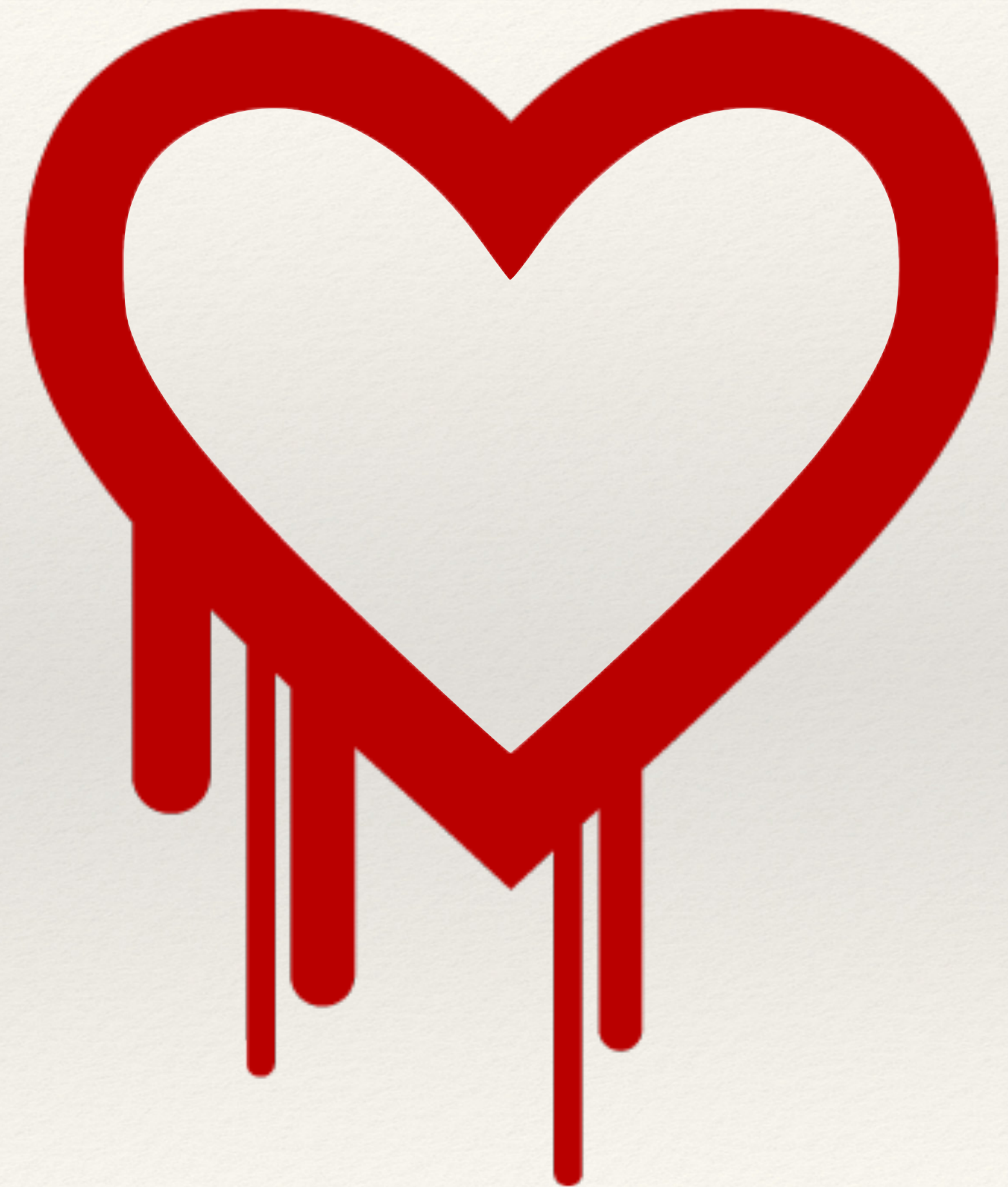
The Heartbleed Bug: What's Happening

- Large Web operators patching their servers already

- Many millions of servers need to be patched to close the vulnerability

- Could take many years for all affected servers to be patched

- Apple, Google, Microsoft appear to be *unaffected*

source: NPR, The Verge, Information Week

The Heartbleed Bug: What You Can Do

❖ Follow best practices:

  ❖ Use long, strong, unique passwords for every site, managed by a trusted password manager like 1Password

  ❖ Monitor your online accounts regularly for any unusual activity

  ❖ Do not store credit card info with any sites unless required (i.e., Sunpass, Netflix)

source: NPR, The Verge, Information Week

Can You Hear Me Now?

Our New Dingus

- The Virgin Mobile Broadband2Go NetGear Mingle 4G LTE Mobile Hotspot

- Knocked us back $120 plus $25/month with no contract and we own the dingus outright

- Gives us a dedicated pipe in and out of the Cove for presenters to use at our Club meetings

- Up to 8mbps down/2mbps up — we'll see

Sleep Better

Lock Down Your Mac

Lock Down Your Mac

❖ Secure your Mac laptop or desktop to prevent data theft and aid in recovery in case of loss or theft

❖ A must for all Mac laptops; a heck of a good idea for Mac desktops

❖ Simple and quick to do — set it up once and then sleep better every night

Possible Attack Vectors

- ❖ If a bad guy gets physical access to your Mac, they could:
  - ❖ Boot it up
  - ❖ Exfiltrate your data
  - ❖ Erase your data
  - ❖ Wipe your machine and re-sell it as used

Apple Has Thought of All of This

❖ Your Mac's hardware and OS have many layers of security built-in, but most of them are *turned off* by default

❖ They include:

  ❖ Boot-up password: first level data security

  ❖ FileVault: baked-in whole-disk encryption

❖ Firmware password: prevents a bad guy from using the OS X Recovery Partition to gain access

❖ Time Machine: continuous file backup to external HD

❖ Find My Mac: theft recovery telemetry via iCloud

Now You Have No Excuse: You've Been Told

Demo: The No-Brainers

Your Homework Assignment for Tonight:

Handout: The Extra Steps

Lock Down Your Mac

by Mike Sullivan | Cove Apple Club | April 9, 2014

You can take some quick, easy steps to help protect your Mac in case of physical theft and to aid in its recovery if it is lost or stolen.

These procedures are a must for any portable Mac (MacBook Air or MacBook Pro), and are strongly recommended for Mac desktops as well (iMac, Mac mini and Mac Pro).

Enable boot-up and sleep/wake password:

1. On your Mac, click the Apple menu and choose System Preferences

2. Click the Security & Privacy pane, then click the General tab

3. Click the little padlock icon at the lower left corner of the General pane and enter your Mac's admin password., then click Unlock This is the password you must sometimes enter when updating or installing software.

4. Tick the checkbox for "Disable automatic login." This requires you to enter your Mac's admin password whenever your Mac boots up.

5. Tick the checkbox for "Show a message when the screen is unlocked."

6. Click the "Set Lock Message…" button.

7. In the dialog box, enter your name on the first line followed by "REWARD FOR RETURN." Hold down the Option key and press Enter to start a new line, then enter your contact phone number and email address.

8. Click OK to close the Set Lock Message dialog box.

9. Tick the checkbox for "Require password…," and choose "immediately" from the pop-up list for "after sleep or screen saver begins."

10. Click the little padlock icon at the lower left corner of the General pane to lock in your new settings.

Make sure to keep a secure, replicated, encrypted, off-site, backed-up copy of your Mac's admin password. Ideally, this will be kept in a Secure Note inside the 1Password app on your Mac, iPhone or iPad.

If you lose this password, it will be very difficult to regain access to your Mac, to install or update new software, or to make some System Preference settings changes, so keep this password safe and secure and backed-up *somewhere OTHER* than on your Mac.

Enable Find My Mac

Apple's iCloud service can help you locate your Mac if it is lost or stolen. The iCloud service Find My Mac uses geolocation and remote telemetry over the Internet to help you or law enforcement personnel find your Mac if it is stolen, so long as it is able to connect to a Wi-Fi network.

To enable Find My Mac:

1. On your Mac, click the Apple menu and choose System Preferences

2. Click the iCloud pane. If you don't already have an iCloud account, follow the prompts to create a new iCloud account along with an iCloud email address. Be sure to use a strong, long, unique password for your iCloud account, and memorize it.

3. In the iCloud preferences, scroll down to Find My Mac.

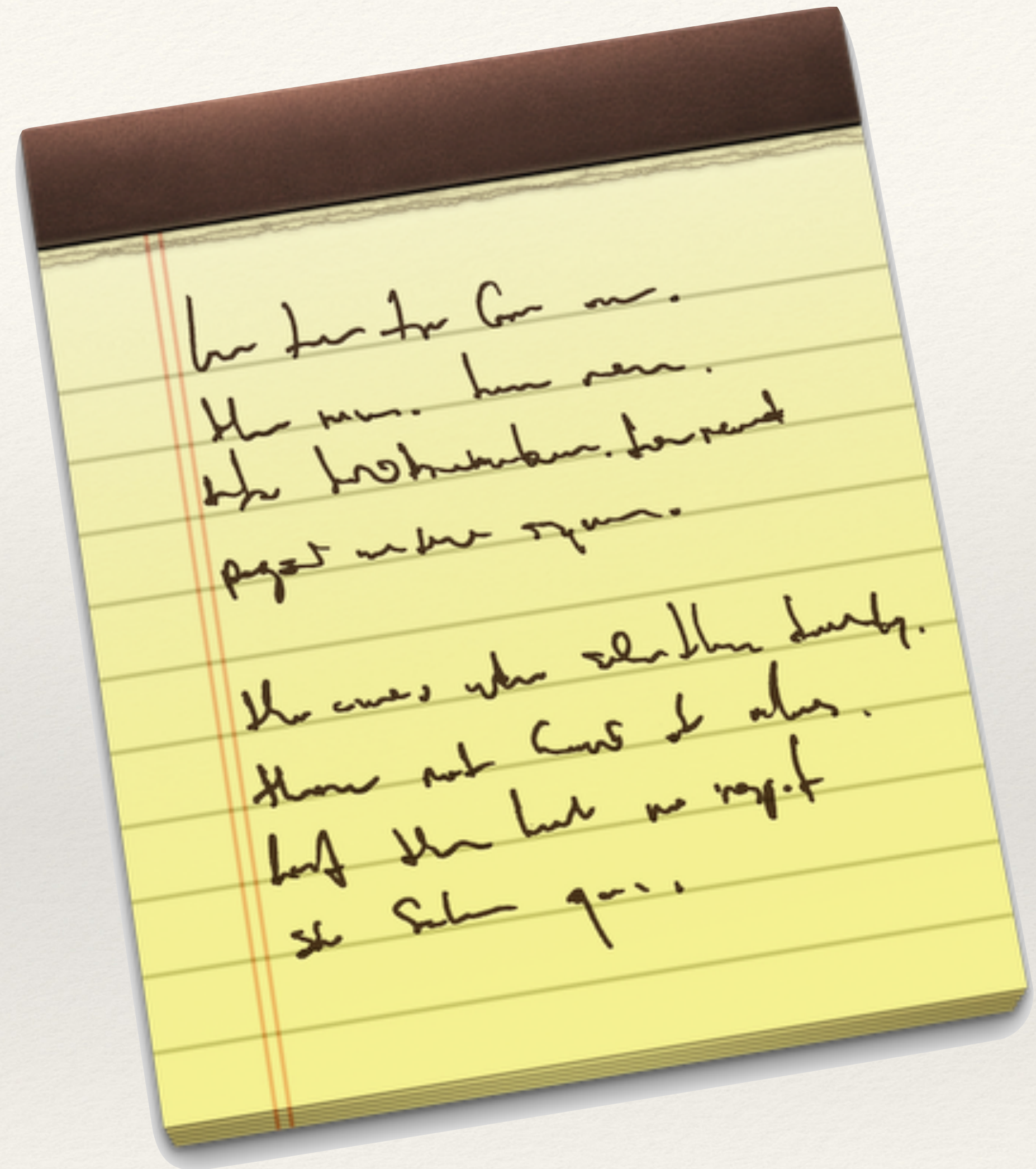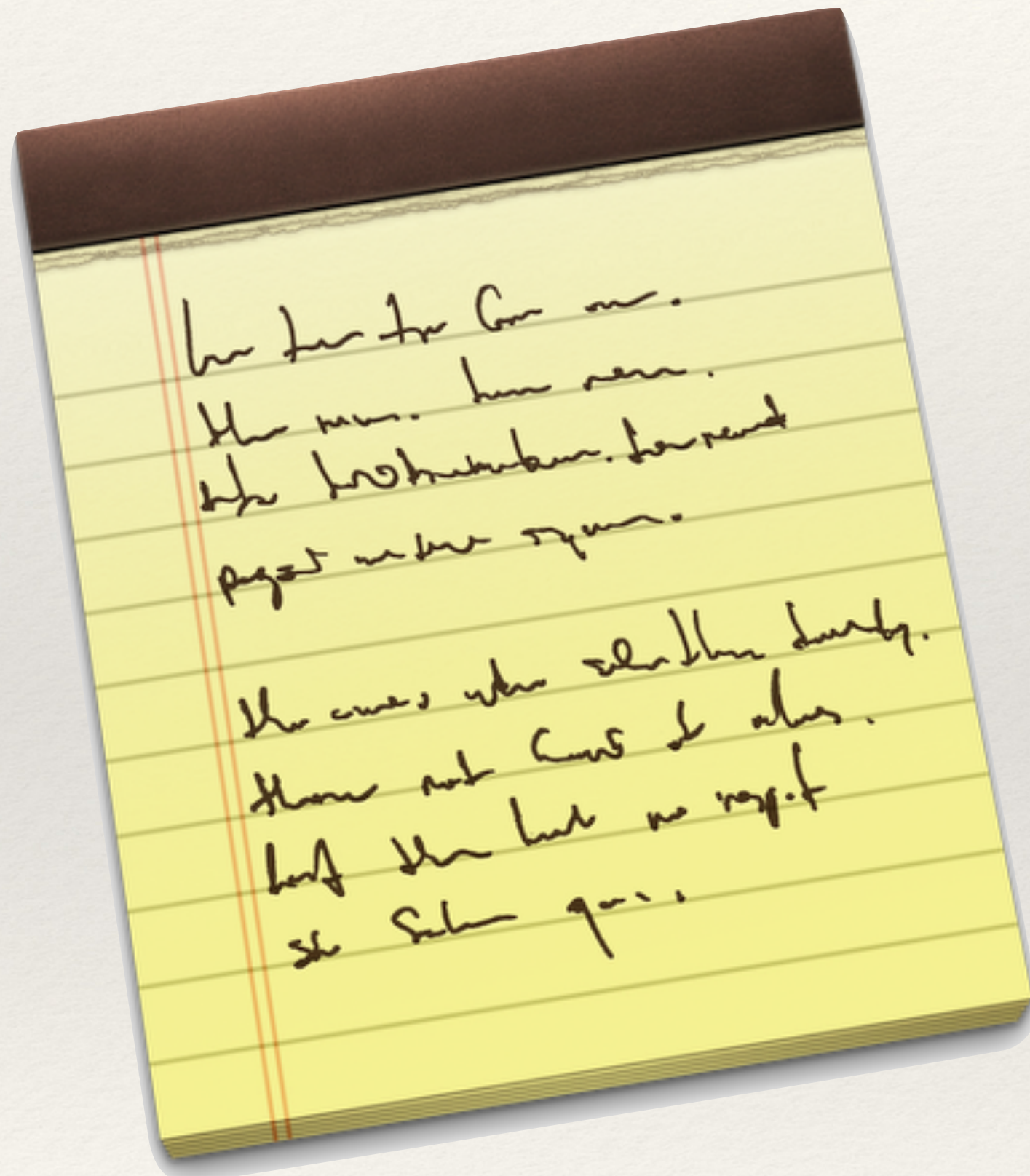*You'll want to write this down…*

Notes app

Notes App

- ❖ Neat little utility app on OS X and iOS

- ❖ All notes sync through iCloud

- ❖ Also available at iCloud.com

- ❖ Handier than you might think!

Demo

It figures…

Wolfram Alpha

Stephen Wolfram

- *b. London, 1959*; attended Eton, Oxford and CalTech; first published paper at age 15; Ph.D. from CalTech at 20.

- Early scientific work was in high-energy physics, quantum field theory, and cosmology, included several breakthrough results.

- Youngest-ever recipient of the MacArthur Fellowship "Genius" award, at 22.

- Migrated to computer science in early 1980's; released *Mathematica* software in 1988.

- Authored a huge and controversial 1,200-page book in 2002, *A New Kind of Science*.

Wolfram Alpha

❖ "A compute engine for structured knowledge."

❖ Vast, continuously-update database of facts & information in over 1,000 domains of knowledge.

❖ Not a search engine, but a natural-language answer engine for nearly anything that is computable.

❖ Powers many of the features of Apple's Siri.

Wolfram Alpha

❖ Free for personal use at **wolframalpha.com**

❖ $2.99 app for iPhone/iPad in the App Store

❖ Pro version $6.99/month, unlocks some advanced features.

 ❖ Details at **wolframalpha.com/pro**

It figures…

Demo

Your Clicks Pay for This Club

Cove Apple Club

Have fun & do more with your Apple gear!

Cove Apple Club

The Cove Apple Club is for everyone who uses a Mac, iPhone, iPad or any other Apple product, and who wants to get more from their product, or anyone who is interested in why Apple gear is so exciting, easy-to-use and powerful.

We meet twice a month, year-round. Check our upcoming meeting schedule and plan to join us at our next meeting!

If you're new to the world of Apple, an old Machead from years back, or even a frustrated Windows user, you will find something interesting and entertaining at each of our meetings. Our meetings are fun and informative, with topics presented covering the range from beginner to advanced.

Our focus is on Apple products, but we often also look at other new technologies not specific to the Apple platform, ranging from computer security to Internet telephony to changes in the industry to neat new tech gadgets of interest to everyone.

All Apple products are fair game at our meetings: iPad, iPhone, iPod and Macs of all sizes, as well as the huge world of Apple software, hardware and accessories.

At the Cove Apple Club, you can share what you know and learn from others, too! We're always eager to have members suggest topics and present interesting things they've done with their Apple gear.

Each meeting lasts about one hour, and then we adjourn to Cheeks Bar for a beer or two and to continue the conversation and fun.

- Cove Apple Club
- Meeting Schedule
- Meeting Archives
- Products from our meetings
- Shop the Cove Apple Club!
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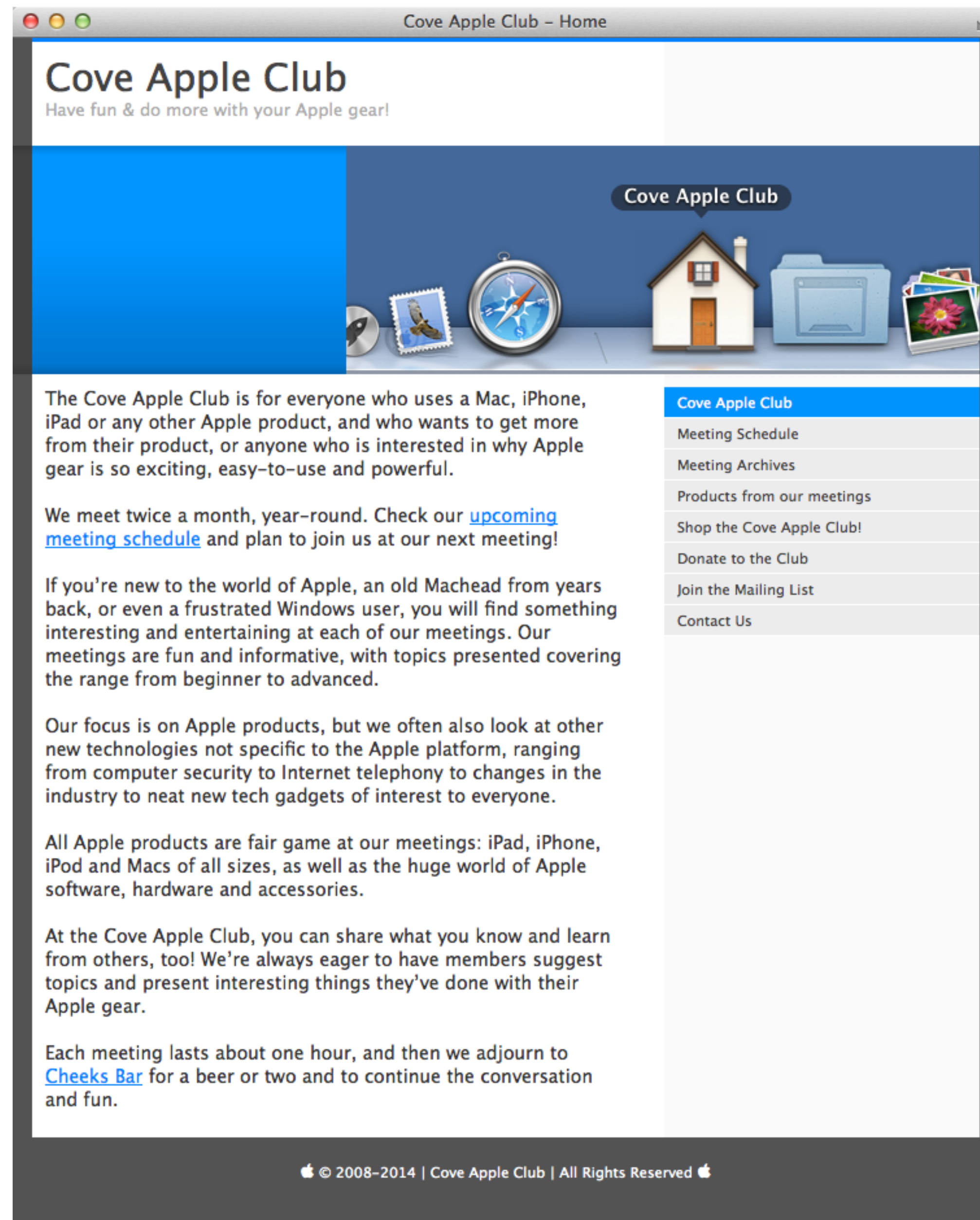
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The next time you need some new Mac gear, start your online shopping session with the link to Amazon on this page. Your purchase will earn a little money for the Cove Apple Club, which we save up all year for a big Holiday Party for all members of the club! We update club members on the earnings every month.

So be sure to click the Amazon logo below when you need to shop for Mac products online...and "give back" to the Cove Apple Club -- without costing you an extra cent! Thanks!

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Since Our Last Meeting

Earnings Report Totals			Glossary
March 25, 2014 to April 8, 2014			
	Items Shipped	Revenue	Advertising Fees
Total Amazon.com Items Shipped	84	$1,150.14	$60.43
Total Third Party Items Shipped ⓘ	33	$626.51	$36.20
Total Items Shipped	**117**	**$1,776.65**	**$96.63**
Total Items Returned	**0**	**$0.00**	**$0.00**
Total Refunds	**0**	**$0.00**	**$0.00**
TOTAL ADVERTISING FEES	**117**	**$1,776.65**	**$96.63**

2014 Year-to-Date

Earnings Report Totals

January 1, 2014 to April 8, 2014

	Items Shipped	Revenue	Advertising Fees
Total Amazon.com Items Shipped	284	$6,183.93	$286.90
Total Third Party Items Shipped ⓘ	182	$3,713.77	$213.42
Total Items Shipped	**466**	**$9,897.70**	**$500.32**
Total Items Returned	**0**	**$0.00**	**$0.00**
Total Refunds	**0**	**$0.00**	**$0.00**
TOTAL ADVERTISING FEES	**466**	**$9,897.70**	**$500.32**

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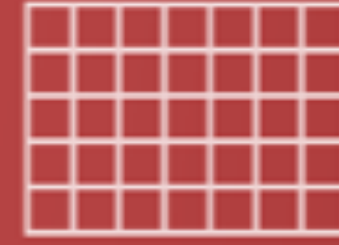
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7:00 PM - 8:15 PM