

Apple Barrel

The Journal of the Houston Area Apple Users Group

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Reagan Atkinson

... of The Houston Camera Exchange

Saturday, September 17

Bellaire Civic Center
7008 South Rice Avenue, Bellaire, TX 77401
9 am - 1 pm



Upcoming Meeting

Reagan Atkinson is returning to HAAUG this month to talk about all things related to photography.

SIGs meeting this month include Mac 101 Fundamentals with Jonathan Magnus, iOS with Rick Roberts, and Photography with Phil Booth.

SIGs start at 9:00 am and the Main Presentation begins at 11:00 am. We hope to see everyone there!

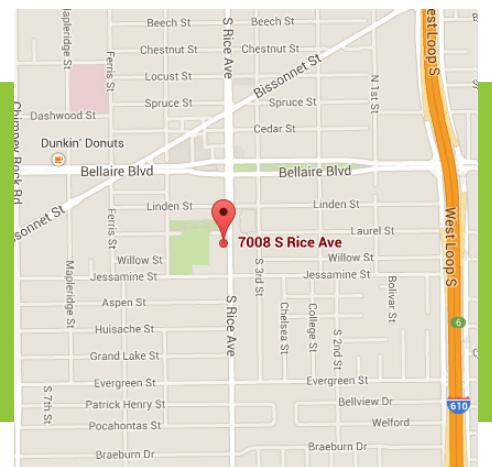
New Apple Products

Read about the latest apple product announcements on page 4.



Meeting Location

Bellaire Civic Center
7008 South Rice Ave.
Bellaire, TX 77401



P. O. Box 570957
Houston, TX 77257-0957

Read Me First

Software Freedom Day

September 17th is Software Freedom Day, which celebrates free and open-source software. For more information about open-source software and Software Freedom Day, visit softwarefreedomday.org. HAAUG is celebrating the occasion by offering a DVD of completely free and open-source software for the Mac compiled by Nicholas Pyers of AppleUsers.org. You can pick up a copy of the DVD at the September meeting!

HAAUG Website Updates

If you haven't visited HAAUG.org recently, check it out! We've updated the site to WordPress, added Retina graphics and more! Visit HAAUG.org for the most current club news and updates!

Grace Hopper Celebration of Women in Computing

The Grace Hopper Celebration of Women in Computing is the world's largest gathering of women technologists. It is produced by the Anita Borg Institute and presented in partnership with ACM. This event will be coming to Houston October 19–21, 2016 at the George R. Brown Convention Center. [Click here](#) for more information about this event.

Meetup Group

The Houston Area Apple Users Group is now on Meetup.com! [Click here](#) to visit our group's Meetup page and join. We will of course continue to publish all meeting news on our website at haaug.org, to our [Facebook group](#), and all other outlets as usual; this is simply an additional way to market our organization to the local community. If you are already a HAAUG member and join the Meetup group we will mark your dues as paid on the Meetup website, so you won't have to pay HAAUG dues twice!

Your Content Here

Have you tried a new Mac or iOS application? Found a neat accessory for your iPhone? Want to share a cool tip you've come across? Write about it, and send your column to editor@haaug.org. You can help make the Apple Barrel a better publication while providing valuable insight and opinion to your fellow HAAUG members.



Boss HAAUG Speaks

Monthly Address from the HAAUG President



Imagine receiving this letter in your mailbox:

Mr. Tim Cook
President/CEO
Apple, Inc.
1 Infinite Loop
Cupertino, CA 95014

Dear Mr. Cook,

It has been determined that Apple has underpaid taxes to the Irish Government. We have calculated the back taxes and interest. Apple owes fourteen billion dollars. Please cut a cheque in that amount at your earliest convenience.

Sincerely,
European Commission

How would you like to get this in the mail? Now according to sources this would hardly be a ripple in Apple's European bank account, but that is a lot of money. Apple and the Irish Government will be appealing this ruling from the commission. Expect this to take at least five years to settle. There are reports that Apple is thinking of bringing some of the profits that they stash overseas back to the US and paying the taxes for that maneuver.

This Wednesday, Apple will lift the Kimono on the new iPhone. Rumors abound about the design. No analog earphone jack, thinner... who knows, but we will see what it will look like soon. Also, both iOS and Mac OS should be released some time this month. Apple will stream the event again. If you have an up-to-date browser you can receive the broadcast. Go to apple.com to check your browser. You can also follow the presentation on several Apple news sites. Many offer a running commentary on the presentation.

Thanks to Ryan Esworth and John Gaver for their presentation on Mac Automation. It is not a subject that can be covered in a single presentation but if it piqued your interest to explore the subject then the presentation was a success. I am sure that there are things that I can automate that will make my computing easier.

Samsung got some bad news when they recalled their Galaxy Note Seven for possible battery problems. A number of the phones seemed to explode when they were charging. This comes at a time when Apple will announce the model(s) of the new iPhone. The Korean giant's mobile phone business has been a drag on profits for the last few quarters and this can't help.

A small self-serving plea to Apple:

I know the "professional" market is a microscopic part of your business; but in many cases it was the graphic design and media production people that kept the Apple flame alive. Please consider producing machines that are adaptable to the needs of folks that stream media and produce graphic design. We need machines with power and multiple ports to accommodate the devices that allow us to do our jobs. Please continue to develop your pro applications like Final Cut Pro, Logic and Motion. These programs are vital to our workflows. Professionals need the power that are built into these applications. We were there when everyone was jumping ship. Now we need you to continue to support us.

Phil Booth
2016 HAAUG President

Apple Announces New iPhone, Watch, and More

by Ryan Eisworth

On September 7, Apple announced a few updates to their mobile product lineup. The iPhone 7, Apple Watch Series 2, and AirPods will be available for pre-order and purchase soon! The new models of iPhone and Watch feature many enhancements, but the overall design remained largely unchanged for both devices this update cycle.

Double Vision

iPhone 7 Plus features new dual-camera setup consisting of a f/1.8 23mm equivalent wide-angle lens and a f/2.8 56mm equivalent telephoto lens. The iPhone 7 (non-Plus) features the wide-angle camera only. Both cameras have 12 megapixel sensors and all cameras include optical image stabilization in both the 7 and 7 Plus. On dual-camera models, users will be able to select which camera is used to take the photo, approximating optical zoom. The dual cameras are also used for other effects including depth-of-field and portrait bokeh.



Water Resistance

The new iPhone models are IP67 rated against dust and water resistance. What exactly does this mean? The IP marking is a standard defined by the International Electrotechnical Commission (IEC). The first digit of the IP code refers to the device's protection against solid particles, such as dust. The 6 rating for solid particle resistance is the highest rating available, and means that no ingress of dust or dirt should occur in the device. The second digit refers to its water resistance. The iPhone's rating of 7 means the device should be able to survive immersion in a depth of up to 1 meter of water for 30 minutes or more. Be warned though, as Apple's press release for the new phone makes the following disclaimer:

iPhone 7 and iPhone 7 Plus are splash, water and dust resistant and were tested under controlled laboratory conditions with a rating of IP67 under IEC standard 60529. Splash, water and dust resistance are not permanent conditions and resistance might decrease as a result of normal wear. Do not attempt to charge a wet iPhone; refer to the user guide for cleaning and drying instructions. Liquid damage not covered under warranty.

You probably shouldn't plan on using the iPhone 7 as an underwater camera rig, but the occasional splash certainly shouldn't hurt. It's always better to be safe than sorry, though. I would consider the water resistance feature a safety net in case something bad happens and would continue to avoid deliberately getting the phone wet.

Power On

As we've come to expect from every new iPhone revision, performance and battery life are improved on the iPhone 7. This is made possible in part by the new A10 Fusion processor, which contains two high-performance cores and two high-efficiency cores.

Sound Decisions

For better or for worse, the iPhone 7 lacks the ubiquitous standard of audio output: the 3.5mm jack. Helping to ease the transition, Apple includes Lighting-powered EarPods and a Lighting to 3.5mm adapter in the box with the iPhone for users who want to bring their own headphones to the party. The choice to get rid of the familiar 3.5mm jack has been hotly debated in countless blogs, forums and news articles, and when commenting about the change it is easy to forget that the iPhone is such a versatile device that everyone has their own usage patterns. Some will say "good riddance" to the port. Others will find the removal of the port greatly inconvenient. I was initially indifferent about the change as I very rarely use headphones with my iPhone (and when I do, it's usually the included EarPods) but when I got in my older work van earlier today, I realized that plugging an iPhone 7 into my stereo via the 3.5mm auxiliary cable for maps and

Apple Announcements Continued

by Ryan Eisworth

music and charging it at the same time would require not one, but two additional adapters, one of which isn't included with the iPhone 7.



The Wireless Future

Apple would love for you to try out their newly-announced wireless AirPods with the iPhone 7, and the removal of the 3.5mm jack indicates that this is clearly where Apple thinks the future of headphones is going. The AirPods are Bluetooth headphones that tout a 5-hour battery life and come with a charging case that is itself another battery that should allow for 24 hours of AirPod use. The charging case is charged via a Lightning cable. Fifteen minutes of charging should allow for three hours of AirPod use.

The AirPods feature fancy microphones making them suitable for phone calls, Siri and more.

AirPods also have an automatic switching feature which should make using a single set with your iPhone, iPad and Mac seamless. The release price of the AirPods is \$159. They should be available to purchase in October.

Watch Out!

The Apple Watch Series 2 was announced. The updated wearable now has a built-in GPS, is water resistant up to 50 meters, has an updated processor, and sports an improved, brighter display. The GPS means that outdoor fitness activities can be tracked more accurately, and the water resistance makes the new device suitable for swimming.

Software Update

If you can't wait to get your hands on the newly-announced hardware or (like me) you'll be hanging onto your existing device for the foreseeable future, you'll still likely be able to take advantage of iOS 10. The new mobile operating system will launch on September 13th and supports the iPhone 5 and newer. If you have an Apple Watch, watchOS 3 will also launch on September 13th, bringing significant enhancements to your device.



If you're migrating to the new iPhone or just updating to iOS 10, don't forget to make an encrypted backup to your computer first! It's always a great idea to back your device up before an update or upgrade, and making an encrypted backup ensures that your passwords and Health data get saved along with the other information on your phone. Even if you backup to iCloud, you can't go wrong having a local backup to fall back on if something goes wrong!

Event Schedule

September 17, 2016

	Main Room	2nd Room	3rd Room
9:00 am	Mac 101 and Fundamentals SIG Jonathan Magnus		
9:30 am			
10:00 am			
10:30 am			
11:00 am			
11:30 am			
12:00 pm			
12:30 pm			
1:00 pm			
1:30 pm			Board of Directors Meeting
2:00 pm			

Mac 101 and Fundamentals with Jonathan Magnus: The SIG for basic to advanced Mac topics.

iOS with Rick Roberts: Discuss all things iPhone, iPad, iPod, iTunes, and iCloud.

Photography with Phil Booth: For all interests related to digital photography.

Upcoming Events

Future Meeting Dates and Events

October 15, 2016: TBD

October's meeting will likely cover the updates recently announced to Apple's iOS and macOS software, as well as recent hardware announcements.

November 19, 2016: Raf Batista, Houston FileMaker Developers, Users and Trainers

Special Interest Groups (SIGs) and Ad Hoc Meetings

Groups are welcome to use the casual spaces to meet on other topics. Scheduled SIGs take precedence. If you have an idea for a SIG, email the HAAUG SIG Coordinator at SIG_Coordinator@haaug.org!

BOD Minutes

July 16, 2016

Location: Bellaire Civic Center, 7008 South Rice Avenue,
Bellaire, Texas

Attendees: Phil Booth, David Jaschke, Clair Jaschke, Jack Adair,
Mike Epstein, Ryan Esworth

Call to Order: By President Phil Booth at 11:33 AM following the
conclusion of the July Swap Meet.

Monthly Reports

Secretary - Jack Adair: The minutes of the June 2016 BOD
meeting were approved unanimously.

Treasurer's Report - Clair Jaschke: Clair reported that our
checking account balance as of the end of June 2016 was
\$3,015.75. Our savings account balance was \$10,003.47, for
total cash on hand of \$13,019.22. We have one check that has
not cleared yet as of the end of June. All bills have been paid
and all monies have been deposited. Clair and Dave took the
old HAAUG shirts to Goodwill, and this will show up in the July
report. We also had a discussion about Cafe Press.

Membership - David Jaschke: Dave reported that we ended
the month of June with 133 members, which was the same as
May, and down from 138 members (a difference of 5 members)
from June 30, 2015. In May we had an exceptional month for
renewals, but unfortunately June was not so good. We had just
two renewals in June, with one two-year renewal and one lapsed
renewal. We had nothing by KAGI or credit card.

Programming Report - Steve Bridgham: Steve was not able to
attend the meeting, but supplied Phil with a written report. In
August, we are scheduled for Apple Script/Automator, but Ryan
still needs to talk to John Gaver about his participation. We are
confirmed for September with Reagan Atkinson. The October
meeting is scheduled for home automation (but unconfirmed).
We are open for November, but Phil indicated that he would
talk to ARS Technica about possibly getting their Mac OS expert
to talk about the new operating systems, probably via Skype.
Doug Smith is still on the schedule for December, with a possible
discussion of CarPlay.

HAAUG Electronic Communications Systems - Ryan Esworth:
WordPress was discussed for the HAAUG website.

New Business

Formal HAAUG Audit Report:

Phil will send an E-mail later this evening about the audit report.

Swap Meet

We had some discussion about the January swap meet based
on the attendance levels at recent events. Ryan suggested
reducing the non-member table fees to try and drum up some
more interest. We discussed calling it a "Computer Garage Sale",
sponsored by HAAUG, with the non-member fee lowered to
\$10.00, with reservations desired, with an additional \$5.00
for power. We need to work up the copy for an advertisement
between now and January. We could also look at getting this
information to Fry's and MicroCenter.

Adjournment: At 11:57 A.M.

Classifieds

Products and support for the Macintosh community

Got a story or photo
you would like to see
in the monthly edition
of Apple Barrel?

The Apple Barrel is always looking for good, meaty material for its monthly publication. If you have a personal story, review of a new product or just a funny or helpful thought, feel free to spread the word via the Barrel.

Submit your story, review, photos, or other content to: editor@haaug.org

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Classifieds

Products and support for the Macintosh community

Advertising Rates

General Rate Policy

If more or less space than specified is used within one year from the date of first insertion, the rate will be adjusted to the earned rate published here.

Frequency Rates

Number of insertions in a 12-month period determines frequency rate.

Rates (per issue)

2/3 Page Ad

Dimensions: 5 x 10.125 in.

Frequency: 1x \$125, 2x \$120, 3x \$115

1/2 Page Ad

Dimensions: 7.625 x 5 in.

Frequency: 1x \$90, 2x \$85, 3x \$80

1/3 Page Ad

Dimensions: 3.75 x 5 in.

Frequency: 1x \$75, 2x \$70, 3x \$65

1/4 Page Ad

Dimensions: 3.75 x 5 in.

Frequency: 1x \$65, 2x \$60, 3x \$55

1/6 Page Ad

Dimensions: 5 x 2.5 in.

Frequency: 1x \$40, 2x \$35, 3x \$30

Business Card Ad

Dimensions: 3.5 x 2 in.

Frequency: 1x \$30, 2x \$25, 3x \$15

Dimensions of advertisements may vary as a result of document layout.

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Membership Benefits

Enjoy the benefits of being a HAAUG member.

The Apple Barrel is a monthly publication of the **Houston Area Apple Users Group (HAAUG), P.O. Box 570957, Houston, TX 77257-0957.**

Apple Barrel's editors have a policy to protect the creative rights of authors. The Editors acknowledge that authors' works are copyrighted and intend to honor those copyrights by: 1) this statement of policy, 2) providing, where considered significant, copies of edited text to the author for review prior to publication, 3) seeking permission to reprint previously published pieces from the author whenever possible, and 4) printing acknowledgment of reprints used.

If you are interested in joining HAAUG, please call the HAAUG hotline at **(832) 305-5999** or sign up via our web site at www.haaug.org.

Annual membership is \$35 for regular members, and \$10 for student members (limited to students enrolled at a high school, community college, or university.) The Hotline is also the Mentor line if you need help. Guests are welcome to attend one or two meetings to get acquainted with HAAUG, but participation in certain activities may be limited to members only. HAAUG is an independent support group of Apple product users and is not affiliated with Apple, Inc. The following are trademarks of Apple, Inc.: Apple, Apple II, Apple IIgs, Macintosh, Mac, iMac, iBook, PowerBook, MacBook, MacBook Air, MacBook Pro, iPhone, iPod, iPad, OS X, iOS, ImageWriter, LaserWriter and the Apple logo. All other brand names are registered trademarks or trademarks of their respective holders, and are hereby acknowledged.

Monthly Meetings

This is where the excitement begins. On the third Saturday of each month, members of HAAUG meet for a day filled with activities, including presentations by major software and hardware vendors, special interest group (SIG) meetings, raffles, and much, much more. Swap Meets are held twice each year, in January and July.

Social Media & Internet Presence

The HAAUG web site at <http://www.haaug.org> is the place to go for up-to-date information on what we are doing. In addition, there is a [HAAUG group on Facebook](#), where people can go to interact with fellow HAAUG members on topics of interest related to Apple and its products.

Club Magazine

Club and industry news, meeting information and special member offers are published in our monthly newsletter – The Apple Barrel, which is available to members on the HAAUG website in Adobe PDF format.

Mentor Program

The HAAUG Mentor Program puts people with hardware, software, system or network problems in contact with volunteers who can provide solutions. Contact with the mentors can be made through the HAAUG Hotline, e-mail, or at the monthly meetings.

Special Interest Groups (SIGs)

People with common interests, including Macintosh and OS X basics, iOS, Internet, games, educational computing, databases, publishing, graphics, desktop video, programming and more gather for in-depth discussion, product demonstrations, tutorials and general knowledge sharing.

HAAUG Hotline

Call the HAAUG Hotline at 832-305-5999 for the latest meeting information and to leave voice mail for officers.

Lots of Fun & Friendships

HAAUG is a not-for-profit volunteer group founded in 1978, three years before there was an IBM PC. Approximately 200 members enjoy the benefits of HAAUG. We range from beginners to experts, but we all know the secret to making our computers more valuable: a HAAUG membership!

Learn more about the benefits of HAAUG membership at www.haaug.org.

Become Part of the Action

Join or renew your membership with the one and only Houston Area Apple Users Group today!

Join Online With a Credit Card

Paying for your membership online with a credit card is secure, fast and easy.

Visit www.haaug.org/membership
for details on joining.

Join by Mail:

Please print out and complete the following form. Send a check or money order payable to HAAUG and mail it to the address shown below. Dues for regular members are \$35 per year. Student memberships are available for full-time students at a high school, community college or university for the rate of \$10 per year.

Your membership card will be mailed to you. You may pick up your starter kit at the next HAAUG meeting.

First: _____ Last: _____

Company: _____

Address: _____

City/State/ZIP: _____

Home Phone: _____ Work Phone: _____

Cell Phone: _____

Email: _____

Type of Computer: _____

Membership:

New Membership (\$35.00)

Renewal (\$35.00)

Two-Year Renewal (\$70.00)

Student (\$10.00) *Requires Student ID*

Check # _____

Member # (if renewing): _____

How did you hear about HAAUG?

Do you know someone who would be willing to join HAAUG?

Y | N

Would you be willing to volunteer in HAAUG?

Mail check to:

HAAUG

Attn: Membership Chairman
P.O. Box 570957
Houston, TX 77257-0957

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Houston-Area Computer and Equipment Recyclers

Houston area recycling centers:

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11500 South Post Oak Road • Dial 311 or 713-837-9130

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12230 Westheimer, Houston, TX 77077 281-589-1215

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ScrapComputer.com

350 W. 38th St., Houston, TX 77018 • 713-691-9995

Accepts all computer-related items free; offers free pickup for large amounts.

Altech Metals, Inc.

10612 Hempstead, Building A • 713-680-9325

No TVs or monitors

ARM Trading, Inc.

2476 Bolsover, Suite 557 • 713-665-0213

Compucycle

620 W. 6th St. • 713-866-8021

ONYX Environmental Services

Baytown • 1-800-624-9302

Houston Computer Recycler

6102 Brittmoore, Suite N • 713-937-3334

Recycle America Waste Management Asset Recovery Group

2102 Atascocita Road, Humble • 281-540-8900

Eagle Electronics

10612 Hempstead, Building A • 713-934-8585