

# YALE AVIATION NEWSLETTER

February 2018

## UPCOMING EVENTS –

- **Wash & Wax 55044 – Saturday, Feb 24, 9am to noon.** 55044 was out of town for our last wash & wax, so we've decided to set to get this plane clean! **Jack Rose will come by around 10:30 am** to give a presentation on using our newly installed Garmin GTN650 GPS. Jack has 150 hours of experience using the GTN-650 in his Piper Archer over the past two years. We will do a simulated VFR flight and then a simulated IFR flight with an instrument approach at the end. Be sure to bring your iPad, as there is a great free GTN Trainer App (see instructions below to download from iTunes) which Jack will use to help introduce the myriad features of the GTN. **Charlie Skelton** will be hooking up the external power to give folks some hands-on experience also. As always, there will be food! Please RSVP to David Mikhail ([dgmikhail@gmail.com](mailto:dgmikhail@gmail.com) , 914-572-8125).
- **Board Meeting** – March 1, Robinson, 6 pm.
- **Women Take Flight** - March 3, New England Air Museum, 10 am – 4pm.
- **March 17** – Simulator Event. Details to follow...
- **Wash & Wax** - Save the date – Saturday April 7, 8:30 am to noon.

## PILOTS...

We bid a fond farewell to **Evan Light**, whose recent FBI promotion will necessitate a move out of the area. Congrats & bon voyage!



### **Cloud Crowd – Sim Scenario Edition!**

Sunday, Feb 4, as many of you may have preparing wings for the Superbowl, **Jake White, Laura Baldwin, Donnie Mac, Clarice Beggeman, and Akihiro Hashimoto** joined **Mirai Hashimoto** to go through an IFR scenario then use the YA simulator (now conveniently housed in the flight hangar of the naval ROTC offices, 55 Whitney Ave, 4<sup>th</sup> flr) to fly the scenario and see if we could do better. A fine time was had by all (aided by yummy donuts & coffee), and we only crashed twice (or was it three times??).

See **Simulator** section for details on using the simulator.



## The Flying Gourmet Challenge!

Click the logo below to get the Flying Gourmet Challenge's Facebook Page, where the challenge will run until May 31, 2018. Visit each of 8 restaurants, get a sticker at each restaurant, submit the completed card by Jun 5, and get a t-shirt! There's also a drawing for a prize for those who finish. For more details visit the FaceBook page by clicking on the icon at left. Below are this year's restaurants:

[The Flight Deck - EEN](#)

[Mid-Field Cafe - ASH](#)

[Nancy's Airfield Cafe - 6B6](#)

[Papp's Bar and Grill - BAF](#)

[121 Restaurant - OXC](#)

[Hangar B Eatery - CQX](#)

[Cafe 511 - GON](#)

[The Flying Monkey Grill and Bar - HFD](#)

Those of you who've accumulated more hours than you might likely fly please consider donating to the club – it is tax deductible!! **Help keep Yale Aviation alive in the future as it was for you!**

### ... & PLANES

**Winter Flying:** Winter is here! Frost, snow, ice and freezing rain. When you schedule the aircraft, more than likely it will need to be deiced (frost or freezing rain) and pre-heated.

**Pre-heating is a must when temperatures have been below 20 degrees at any time during the preceding 9-12 hours!** *One way to check if preheating is needed is by checking cylinder head temperature (CHT) during preflight.* It should be at LEAST 30°F. Remember that NO ONE should be inside the airplane when it is being preheated. Check out the CO monitor – it will go black!

**Light de-icing takes place outside:** 15 minutes with the tail of the airplane into the sun, followed by 5-10 minutes with the front of the wings into the sun should do the trick. Excessive melted water can be wiped off the wings, but it is best to just let water blow off once the aircraft is in the air. **NEVER scrape frost off the windshield**, or the wings for that matter – there is dirt in that frozen water, and it will cloud the Plexiglas & scrape the paint. If there is heavy frost, de-icing will require the hangar for a meltdown. **TO HANGAR THE AIRPLANES**, or for any pre-heating questions, contact our chief pilot, **Charlie Skelton** (203-640-3580). And be sure to tip those line guys a few dollars if they are preheating out in the cold for you for 20 minutes!

Winter flying is indeed something else. Our types of aircraft were not designed to traverse snow covered, iced-over ground so take caution: you are in a new environment (it is not a four wheel-drive!). Some very simple things: the Piper step is a small piece of cold metal, dark in color; it can be iced over even from previously stepping on it during preflight. The black walkway can be black ice. Stepping down from the wing onto ice can be dangerous. *Be sure not to be the next uncontrolled human flight!*

### ADS-B IN OUR AIRPLANES

We have the \$500 FAA rebate! N55044 received its ADS-B last month, and we were confirmed on the flight back to New Haven from Chester. Now we need to deal with 32028, where we plan to install an L-3 NGT 9000 (perhaps), depending on the work being done in Barnes regarding the



corrosion program. One of 55044's radios will be installed in 32028 – a nice upgrade to what had been an old system.

**Those flying 55044 will need to get additional training to become practiced in using the new GTN650.** Below are some online resources so you can use to become familiar with the equipment:

GTN 650 Features Overview (Aircraft Spruce) -- [https://www.youtube.com/watch?v=VPKe-jhp\\_8o](https://www.youtube.com/watch?v=VPKe-jhp_8o)

GTN Intro Part 1 -- <https://www.youtube.com/watch?v=ILhqwalukDM>  
Part 2 -- <https://www.youtube.com/watch?v=cN-kk7fnaKg>  
Part 3 -- <https://www.youtube.com/watch?v=6Rvlpagvkms>  
Part 4 -- <https://www.youtube.com/watch?v=SUUcmNUIZX0>  
Part 5 -- <https://www.youtube.com/watch?v=sH8Y09rILXQ>  
Part 6 -- <https://www.youtube.com/watch?v=LulttBbUYmI>  
Part 7 -- <https://www.youtube.com/watch?v=w3VgRMSJ3h0>

50 minute training video of GTN 650:  
<https://www.youtube.com/watch?v=PfZT9e1huCg>

Sample of FlightTrainingApps [https://www.youtube.com/watch?v=Ew\\_-SHWCIUQ](https://www.youtube.com/watch?v=Ew_-SHWCIUQ) (one has to pay to get all the training videos, but the initial videos are free)

iPad Pilot News Overview of GTN iPad Trainer -- <https://ipadpilotnews.com/2017/10/garmin-gtn-avionics-trainer-gets-big-update-now-free/>

GTN Trainer App -- <https://itunes.apple.com/us/app/garmin-gtn-trainer/id479670018?mt=8&ign-mpt=uo%3D8>

In addition, Robinson has an external power source one can use to power up our GTN to practice on. We have manuals and reference guides on our website, and plan on formulating a syllabus for both VFR and IFR use of this equipment. The checklist for 55044 is also being updated to include checks that should be made to the GPS unit as it powers up.

Any comments or questions, please contact **Charlie Skelton, Laura Baldwin, or Akihiro Hashimoto.**

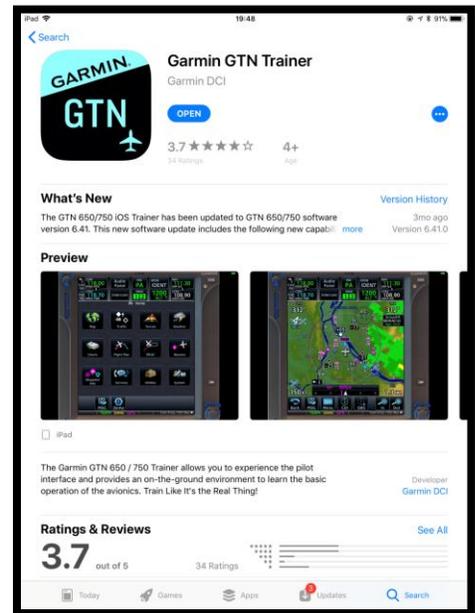
**HOW WE TREAT OUR AIRPLANES!** When you arrive at the airport, you should expect the aircraft to be in the following condition:

- **TAKE OUT THE TRASH!** Please be sure any spare paper, charts, etc are removed after your flight.
  - **CAREFUL WITH THE BRAKES!!** We have had 5 tire changes in the last year, with “flat spots” often seen on the tires of both airplanes. This is most commonly caused by landing while holding the brakes or braking too hard to make the first turn off the runway. PLEASE, be kind to the tires, and watch how you are using the brakes.
    - **Tied down securely, with proper knots, taut lines, and no spare length of rope that can whip around in the wind.** The pictures at right are NOT acceptable tie-downs!!!! Please ask if you need a demo or some practice in this vital area for



airplane security.

- **Gust lock is in position, window closed, aircraft locked, COVER ON!**
- Sunvisor is in position and correctly oriented, if no cover is in place.
- ALL instruments turned off – especially check the transponder! – **particularly important for doing the hot mag check at shut-down**, since an unexpected electrical surge could fry delicate avionics equipment left on!
- Fuel tanks topped off in winter or to the tabs in summer.
- Interior neat & tidy, no trash.



- For 044, the seat-back covers (those “caps” that slip over the top of the seat to prevent wear on the fabric) should be in place!

If the aircraft is not up to this standard, please let chief pilot **Charlie Skelton** (203-640-3580) know so he can improve matters. **Be sure to leave our airplanes secure and clean** – just like YOU would like to find them!

We like to encourage our members to take the airplanes and make use of them, but PLEASE remember that if you find you need to have fuel for the planes or take them in or out of the hangars afterhours, this will result in a **CALLOUT FEE of \$150** that will be charged to Yale Aviation and passed on to you. The easiest way to avoid these fees – and work well with the kind line folks at Robinson – is **FOR YOU** to let the Robinson front desk know well ahead of time if you need fuel or wish to use the airplanes early or late. Please be as considerate as you can of their time and efforts.

In addition, there is a drop box to the right of the doors to the hangar nearest the FBO entrance from the ramp. This is where you can leave airplane keys if you return to the airport after Robinson has closed. PLEASE be considerate of your fellow aviators.

Any questions? Please give **Charlie Skelton** a call and he can go over both dropbox use and what constitutes a callout!



**32028** went up to Barnes the last week of January (to AeroDesign) where it was inspected for corrosion in anticipation of starting its corrosion program (and have some of the cracks repaired, and inspection panels installed in compliance with the recent AD). Some bad corrosion was located, and the remediation may take 3-4 weeks.

**55044** had a GTN650 (GPS) and GTX345 (ADS-B transponder) installed, along with a new magnetic compass. There have been some issues with comm quality, which are being worked on, and the door has been resealed. Based on 23028’s experience, we must be vigilant at keeping water out. Please, always use the airplane cover, as this will really help!



**ALSO NOTE:**

1. We are working on mitigating a persistent leak through the door of 044. Please let Charlie Skelton know if you ever find dampness when you are doing pre-flight.
2. Remember: **ONLY remove the cowling when you have at least two (2) people**. Scrapes and chips can easily occur, and this is most probable when you try to remove the cowling with one person only!

**AVIATION EDUCATION & NEWS –**

**"What Was Missed On Your Flight Review"**

Topic: Flight Reviews Are Not Called BFRs Anymore. Find Out Why!

On Thursday, February 15, 2018 at 19:00 Eastern Standard Time (16:00 PST, 17:00 MST, 18:00 CST, 14:00 HST, 15:00 AKST, 17:00 Arizona, 00:00 GMT)

**Select Number:**

EA2581024

**Description:**

We will cover 91 changes and some local recurring issues that cause Pilot Deviations. We will also

discuss resources that should be reviewed by Airman periodically to keep your knowledge at an appropriate level for the operating conditions in our area. You will walk away with much better understanding of part 91 and the recent changes in aviation.

To view further details and registration information for this webinar, [click here](#).

The sponsor for this seminar is: **FAASTeam**

The following credit(s) are available for the WINGS/AMT Programs:  
Basic Knowledge 3 - 1 Credit

### "The Ups and Ups of Takeoff and Departure"

Topic: Exploring your takeoffs and departures to be the safest ever!

On Tuesday, February 20, 2018 at 19:00 Eastern Standard Time (16:00 PST, 17:00 MST, 18:00 CST, 14:00 HST, 15:00 AKST, 17:00 Arizona, 00:00 GMT)

**Select Number:**

EA6581093

**Description:**

We all know that approaches and landings are critical, so we practice. But what about takeoff and departure? Learn more about this critical phase of flight from takeoff planning to reaching cruise altitude.

To view further details and registration information for this webinar, [click here](#).

The sponsor for this seminar is: **FAASTeam, Portland FSDO**

The following credit(s) are available for the WINGS/AMT Programs:

Basic Flight 2 - 1 Credit

Basic Knowledge 2 - 1 Credit

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### "Hartford IMC Club Monthly Meeting-KMMK"

Topic: Mastering the Art of Instrument Navigation & Instrument Training Scenario Discussion

On Tuesday, February 27, 2018 at 18:00 Eastern Standard Time

Location:

Meriden Airport

213 Evansville Ave

Meeting Room, Airport Terminal

Meriden, CT 06450

**Select Number:**

EA6380953

**Description:**

You are invited to the FEBRUARY, 2018 meeting of the IMC CLUB, Hartford chapter. It's almost SPRING, so it's time to sharpen your IFR skills. At this meeting a new instrument flying scenario will be presented and discussed, along with our Question of the Month. Through its nationwide chapters IMC Club, in association with EAA, provides organized "hangar flying" focused on building proficiency in instrument flying believing that safety and proficiency are developed through education and experience. Our monthly meetings use real world scenarios to engage our members and allow them to share and build their own experience. You do not

have to be instrument rated to attend. Following the presentation we will conclude with the question, "What would you do?".

Refreshments will be served. **Click the link below and register TODAY!**

To view further details and registration information for this seminar, [click here](#).

The sponsor for this seminar is: **FAA Safety Team and the Bradley FSDO**

The FAA Safety Team (FAASTeam) is committed to providing equal access to this meeting/event for all participants. If you need alternative formats or services because of a disability, please communicate your request as soon as possible with the person in the 'Contact Information' area of the meeting/event notice. Note that two weeks is usually required to arrange services.

The following credit(s) are available for the WINGS/AMT Programs:

Basic Knowledge 3 - 1 Credit

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### "I have a Question - More on Charts and Airspace"

Topic: Charts, Airspace & Airspace/Airport Incursion Avoidance

On Tuesday, February 27, 2018 at 18:30 Eastern Standard Time (15:30 PST, 16:30 MST, 17:30 CST, 13:30 HST, 14:30 AKST, 16:30 Arizona, 23:30 GMT)

**Select Number:**

EA6181209

**Description:** A follow-up webinar by the New England FAASTeam to "Things that Make You Go Hmmm - Charts". More on the odd & different, along with items noticed by the audience of the previous webinar and the questions they had.

To view further details and registration information for this webinar, [click here](#).

The sponsor for this seminar is: **New England FAASTeam**

The following credit(s) are available for the WINGS/AMT Programs:

Basic Knowledge 3 - 1 Credit

**PODCASTS & APPS & GADGETS**– Please send me your favorite app, tech toy, video or podcast suggestion to share!



FlightRadar24 is a website and iTunes app that allows you to get all sorts of detail on what is flying around you, over you, or even your own flight track! Check it out: <https://www.flightradar24.com/60,15/6> (Thanks, **Evan Light**, for this suggestion!)

## TWEED NEWS -



**Airport Ops** reminds aviators to be careful in winter conditions.

place March 23, 10 am.

**Tweed's Annual Tabletop Exercise**, where the various emergency teams (EMT, hospital, TSA, etc) talk through a scenario to discuss their coordinated responses, will take

**TSA Badges** – Need a new or renewed badge?? Remember that for the procedure you must have a completed application signed by our TSA signatory, **Laura Baldwin** (203-966-8499, [lfbaldwin@aol.com](mailto:lfbaldwin@aol.com) ). Once that is done, you call KATHY GRANT (203-466-8833 ext 109) over at WEST ramp to make an appointment to take training, have your fingerprints taken, pay your fee of \$30 (cash or check made out to "HVN") and have your new badge issued. Renewals are \$15, which we all need to do every calendar year. Be sure to have your old badge plus two forms of government issued ID, and at least one **NEEDS TO BE PASSPORT, SOCIAL SECURITY CARD OR BIRTH CERTIFICATE**. **Tweed is becoming quite serious about everyone having and using their security badge** – pilots without badges will be escorted from the airport and will not be able to fly!!! Do not be that pilot – get your KHVN badge NOW!!!

## ONLINE -

**Yale Aviation** is on Facebook - be sure to post photos, ask questions of fellow pilots, encourage those who are working their way through ratings and exams, or see if you can organize a passenger on your next flight. We have opened this group so that your friends (and prospective members?) can see what we are all about.

Remember pictures can also be posted on our Yale Aviation website at [www.YaleAviation.org](http://www.YaleAviation.org). **Tom Sobocinski**, our Webmaster, has updated the site to include a gallery of names and faces, current Newsletters and the full 12-serie Yale Aviation, Inc History by **Hank Galpin**. Check it out!!!! (Suggestions for further revisions welcome)

**IF YOU DON'T LIKE YOUR PICTURE ONLINE, PLEASE SEND ME A BETTER ONE!**



**YA MERCHANDISE!** Check out our two online "storefronts" for purchasing YA-logoed merchandise! One is at located at Customized Girl



(<http://www.customizedgirl.com/s/yaleaviationmerch>) and one at Zazzle (<http://www.zazzle.com/yaleaviationstore>).

What you order from these locations will be delivered directly to you, PLUS a portion of the sales will come back to the club.

Contact Laura Baldwin ([lfbaldwin@aol.com](mailto:lfbaldwin@aol.com)) if you have any questions or have ideas for additional merchandise!



We're taking part in **Sporty's Flying Club Rebate Program** which means we will receive cash back for our club on all your purchases from Sporty's. Every time you make a regular purchase at Sporty's – either online, at 800.SPORTYS, or in their store – we will receive a 5% cash rebate, using your email to link these purchases to our club.

Of course, this program is a great way for Sporty's to steer business their way, but we have an opportunity to also reap the benefit. With your participation, this will be a win-win for all of us. Go to [sportys.com](http://sportys.com) or call 800-SPORTYS – no special code needed.

**If you have a friend or family member who buys presents for you, be sure to let me know so I can get them added to our club list. Anyone who is NOT on that list will not get us our rebate, even if they are buying for someone on the list!!**



### SIMULATOR -

The simulator has been moved to a new, improved, and easily accessible location! It now lives in the “Hangar” of the Yale AFROTC suite. The address for the simulator is 55 Whitney Avenue, Suite 450, 4<sup>th</sup> floor.

Here are a few basic instructions on the simulator's use:

1. Turn on the desktop, found on the floor

under the screen.

2. Using the keyboard, right-click on the “Flight Sim” icon.
3. Once the program starts up, you will need to reset it (it starts with an F#% at full throttles at Islip).
4. From the top left of the screen, click on “load” for menus, for example “KHVN C172”.
5. Click on the “Views” menu to alter what you see on the screen:
  - a. Landing (no switches at the bottom, so maximum outside view)
  - b. IFR (only the panel – no outside view)
  - c. Normal (some switches along the bottom of the screen, some outside view)
6. To create a special scenario, on the “World” menu:
  - a. Click on “airport” to choose your airport
  - b. Click “Map” to choose a spot via latitude and longitude
  - c. Click on “Weather” to choose the conditions you want to fly in (rain, wind speed, direction, visibility, etc).



7. To close down the sim, click “exit” on flight simulator, then do a normal Windows 7 shutdown.

Tips:

- You will need to fly by the numbers, as the sim has minimal feel in the yoke.
- Be sure to use trim!
- Keep your toes on the bottom of the rudder pedals to prevent applying the brakes by mistake.
- Using “Num Lock”, then tapping SHIFT 5 will change the view from IFR to Landing.
- The “hat” on the left handle of the yoke will shift your screen’s view around the airplane, from front, to side, to back.



For those with Yale Net IDs that would like to gain access to the building and the simulator, send an email to [Micah@yale.edu](mailto:Micah@yale.edu) with your name and Yale Net ID. He will work with the AFROTC team to give you access.

If you do *not* have a Yale Net ID, you will need to gain access to the sim through **Charlie Skelton** or another club member with access. YA has priority over use of the sim, so feel free to use it even if cadets are there when you arrive.



The Yale Aviation Newsletter goes out to the membership on the 15<sup>th</sup> of every month. Please let me know if you have any news, suggestions, or comments:

[YASecretary@aol.com](mailto:YASecretary@aol.com)

Laura Baldwin, Secretary