

YALE AVIATION NEWSLETTER

June 2023

UPCOMING EVENTS

- **Helicopter & Open Cockpit** - Saturday, June 17th 10AM - 3PM. Celebrate Father's Day weekend at the New England Air Museum with Helicopter & Open Cockpit Day! Experience their helicopter collection, from the large 22,000 pound CH-54 Tarhe, sometimes called the Skycrane, to a small one man helicopter. Admission is free for active military & veterans with IDs.
- **Mory's Get Together** – Thursday July 20, 5 – 7 pm. More details to follow.
- **Annual Meeting** – Sunday, Nov 5, 2023. Mark your calendars now!
- **Flyout** – Joel is working on 2023 plans. Perhaps something close by for lunch? Or a trip to KBAF to check out the ridiculously bright tower signal lights?? Let him know if you are interested in flyouts! dangelojoel@gmail.com

PILOTS...



Welcome to new member **John Barden**:

John lives in Guilford with his wife and two boys (12 and 14), and works at Yale. He set aside the goal of flying 30+ years ago, picked it back up last spring, and completed his PPL in March. He has enjoyed learning something new, and also appreciates much of the shared physics between flying and his other major hobby, sailing. Ultimately, he hopes flying can make regional travel a little easier, but for the moment is focused on mastering the basics and perhaps starting to work towards an instrument rating.

News from India – Raj VJ Report

[Raj was almost through his PPL after many, many years flying with YA when his wife insisted they move back to India mid-COVID]

I finally started flying again in India!

It took way longer than expected. Regular PPL training is offered in very few flight schools and they are almost all students training for Commercial licenses. The ones closest to me have student uniforms and daily breathalyzer tests! So I found a place





that trains in Ultralights (<https://bangaloreaerosports.in/>). In India they are similar to American LSA licensing - 2 passengers, no night flight, VFR only etc. but they are allowed to fly into regular airports. So far I have been flying from a farm with a grass strip runway (300 meters!), so no landings so far.

I have attached a couple of pictures. One is my instructor -- there are two, one is a retired wing commander from Indian air force (who is sort of like the Charlie) and the other is a woman about my age (quite pathbreaking for India) who also runs most of the organizational stuff.

If Akihiro (or any other Yale Aviation members) ever visits Bangalore again, we can arrange a flight for him. On a regular basis, they operate from a suburban airport in Bangalore.

Avelo ACE Program – Discovery flights

On Wednesday, May 24 and again on Monday June 5, CFI member **Laura Baldwin** flew 30 or so East Haven middle-schoolers in conjunction with Avelo's Aviation Career Exploration (ACE) program on short discovery flights in the pattern at Tweed. Member **Mike Quiello**, also a VP at Avelo, has been spearheading this initiative with East Haven public schools introducing middle school students to aviation. Check out [this segment](#) on New Haven's ABC affiliate WTNH. **Laura Baldwin** had a great time, and sincerely thanks member **Fritz Heidenreich**, who came to her aid organizing the students in the second round of flights.



Check out this promotional video of the program: https://drive.google.com/file/d/1v-S1L_NEKnuJQQYZYA5NPeO1E8mupMxO/view

Safety Pilots: Below are listed members who are anxious to keep their skills, and yours, sharp!

Joel D'Angelo	dangelojoel@gmail.com	203-631-1098
Dan Macdonald	Dmac936@gmail.com	203-788-6320
Josh Snow	joshua.r.snow@medtronic.com	203-804-4845

Laura Baldwin	lfbaldwin@aol.com	203-517-5409
Paul Cleary	paul.cleary@yale.edu	203-415-2402
David Willmore	davidwillmore@mac.com	703-269-8197
Fritz Heidenreich	fritz.heidenreich@gmail.com	203-252-9313

Never too early to think about a Flight Review! Check out this link for information on AOPA's Focused Flight Review Program: <https://www.aopa.org/training-and-safety/active-pilots/focused-flight-review>

Want to refresh your aviation skills? Check out these AOPA Rusty Pilot series youtube videos.
https://www.youtube.com/playlist?list=PLQCVVyDKYo3K_AbLL_6Xvx0EZJNLggjr0

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

6297J: Club checkouts are ongoing. Please arrange for this multi-flight checkout with YA-authorized CFIs **David Willmore** or **Laura Baldwin**, and soon **Dave Pecoraro**!

Remember, this aircraft has ADSB-out (*NOT in, though*) which means you might want to fly with your iPad connected to the Stratus2 in the airplane for traffic awareness!

We have gathered a few online videos to help with orientation for the avionics in 6297J:

Sporty's G500 overview: <https://www.youtube.com/watch?v=6AFqG5RunA>

Sporty's sponsored Garmin webinar (2-3-2021) GFC 500 autopilot:
<https://www.youtube.com/watch?v=g4YGFbYhoMk>

Garmin webinar (Apr 2020) on G500 (more emphasis on G5 interface):
<https://www.youtube.com/watch?v=nQMWC5Aq1JM>

Garmin430: <https://www.youtube.com/watch?v=RRU8vVle-cQ>

Mike Jesch Garmin 430 tutorials: <https://www.youtube.com/watch?v=vdXQkNg5ho4>

JPI 830 Engine Monitor Overview: <https://www.youtube.com/watch?v=QrLXYsEBW5A>;
<https://www.youtube.com/watch?v=a8P15IPU9bc>

Leaning with the JPI 830, setting fuel flow usage, and alarms:
https://www.youtube.com/watch?v=U_yWDBfptCc

55044 had its 100 hr/annual. It needs new upholstery for the front seats (working on it...). The transponder/pitot-static inspections will be done before the end of the month.

Remember that 55044 has one electronic magneto which ALWAYS needs at least 8.5 volts of power from the alternator or battery in order to function. For that reason, do NOT continue to operate the airplane if the alternator is offline. Unlike with two traditional magnetos, the functioning of this engine is not entirely independent from the electrical system. The efficiency and reliability of the spark is worth this operational change!

NOTES:

1. Remember: you MUST have two (2) people to remove the cowling on 55044 or 6297J. Scrapes and chips can easily occur, and this is most probable when you try to remove the cowling with one person only!
2. Due to construction at the airport, **please use the airplane covers always**, unless you KNOW that there is another member using the airplane after you.

Notices to our aviators – Maintenance Squawks:

Dan Macdonald (cell: 203-788-6320) is the primary point of contact for airplane maintenance issues. A Maintenance Committee has been formed that consists of **Dan, Joel D'Angelo, Akihiro Hashimoto** and **Jake White**, who will work together to resolve issues with the airplanes. **Please text Dan if you note something amiss – no discrepancy is too small!**

If you note a discrepancy with one of our aircraft please be sure to complete this **three-step process**:

1. **Enter it on paper in the aircraft**, making a short note or comment. You can include more detail on FC.
2. **Enter it in Flight Circle**: Manage > Aircraft > Squawks > Create Discrepancy **OR** when checking in a flight ... go to the schedule, click on the reservation, Check in > Squawks tab > New Squawk.
3. **Notify Dan Macdonald** by text or phone call.

HOW WE TREAT OUR AIRPLANES! When you arrive at the airport, you should expect the aircraft to be in good condition. If the aircraft is not up to this standard, please let maintenance officer **Dan Macdonald (203-788-6320)** know so he can improve matters.

Remember:

- **NO METAL OBJECTS ON THE GLARE SHIELDS!** Headsets, lap boards - as tempting as it is, they can scratch the plexiglass, so please find another spot to keep these objects while doing preflight!
- **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.
- **CAREFUL WITH HOLDING RIGHT RUDDER TOEBRAKE on TAKEOFF!** Both our airplanes have shown unusual wear on the right brake rotor, possibly from pilots holding the right toe brake a bit as they start their takeoff roll. *Heels on the floor, and no toes on the brakes!!*
- **Tie down airplanes securely, with proper knots, taut lines, and no spare length of rope that can whip around in the wind.** Please ask if you need a demo or some practice in this vital area of airplane security.
- **Gust lock is in position, window closed, aircraft locked (both baggage compartment AND door), COVER ON!**
- ALL instruments turned off –**particularly important for doing the hot mag check at shut-down**, since an unexpected electrical surge could fry delicate avionics equipment left on!

Be sure to leave our airplanes secure and clean – just like YOU would like to find them!

Updating our Garmin databases - Remember when you turn on the avionics in our airplanes to always hit the “update” softkey on the Garmins to be sure that the databases are always updated.



A few tips/reminders for using Flight Circle, our online scheduling and billing system:

- If the Hobbs number is changing, **PLEASE use the number it is changing to** in your calculations. More flight time in your logbook! This is a club policy – ANY part of a number showing means that number should be used!
- If your preferred time-slot is not available, we encourage you to make a **BACKUP reservation** instead of a PRIMARY one – there is a pull-down menu for “Reservation Type” to change this selection. You will get an email or text notification if your reserved time comes free.
- Dispatch your flight before/during the pre-flight, and check it back in upon returning. Once checked in, your reservation will be grayed out, which will allow other members to reserve the airplane, ***even if you reserved the airplane for more time.***

Auto-Schedule monthly payments on your account for your convenience and ours!

If you have any questions or problems, please contact our Billing Officer **Josh Snow**, Joshua.r.snow@medtronic.com or call/text him at 203-804-4845. You can also contact **Laura Baldwin** lfbaldwin@aol.com or **Jake White** president@gmail.com.

AVIATION EDUCATION & NEW

Weather Cameras Now in Maine

The FAA’s Weather Camera Program (weathercams.faa.gov) has expanded to the northeast coast, hosting 18 new camera sites in Maine, with plans to add more sites through 2023. The cameras provide pilots with better weather information, especially in terrain where radar coverage is scarce.

Read more about the Maine addition: medium.com/faa/weather-cameras-go-live-in-maine-d41c967a8ef4

FAA Announces Chart Data Change for Flights Outside U.S. Airspace

Beginning June 15, the enroute chart products will implement ENR 23-01 CN Foreign Data IFR Charts Revised.pdf (faa.gov). The FAA is changing how foreign aeronautical data is represented on instrument flight rules enroute charts for low and high altitude flights. Refer to charts from host countries for situational awareness for detailed and accurate non-U.S. data.

U.S. IFR Enroute Charts will join the FAA’s visual charting products by emphasizing the transition point beyond U.S. controlled airspace where aviators will then consult charting products of other nations or third-party providers.

"Reducing Regulatory Roadblocks"

Topic: Reducing the Regulatory Roadblocks to Cockpit Innovation for Improved Safety

On Tuesday, June 20, 2023 at 19:00 Eastern Daylight Time (16:00 PDT; 17:00 MDT; 18:00 CDT; 13:00 HST; 15:00 AKDT; 16:00 Arizona; 23:00 GMT)

Select Number:

EA07122568

Description:

- Many LOC accidents are instrument meteorological conditions related and frequently the accident occurs during the approach phase of flight.
- We'll discuss the available technology that can help mitigate LOC accidents, such as AOA indicators and installed autopilots.

- Owners may be reluctant to install risk mitigating avionics in their aircraft because the expense, resulting from the required certification process, may be too large a fraction of the airplane's value to justify the spending.
- We'll explain how the FAA has already begun the reduction of regulatory roadblocks by accepting ASTM international standards as a means of certification for Part 23 aircraft that weigh less than 19,000 pounds or having fewer than 19 passenger seats.

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 FAA's Drug and Alcohol Program"

Topic: The FAA's Drug and Alcohol Program
On Wednesday, June 21, 2023 at 19:00 Eastern Daylight Time (16:00 PDT; 17:00 MDT; 18:00 CDT; 13:00 HST; 15:00 AKDT; 16:00 Arizona; 23:00 GMT)

Select Number:

EA17122342

Description:

Learn about the FAA's DUI/DWI Program which was established in 1990 to provide regulatory oversight of pilots with a history of alcohol and/or drug-related motor vehicle incidents. Topics to be covered include pilot drug and alcohol reporting requirements, including the significance of these requirements.

This webinar will NOT be recorded.

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

"WIN Insights - A New Wearable For Increased Safety"

Topic: Learn About Ways To Improve Hearing, Gain Confidence In Hearing Critical Communications, And Carbon Monoxide Protection.

On Thursday, June 22, 2023 at 19:00 Central Daylight Time (17:00 PDT; 18:00 MDT; 20:00 EDT; 14:00 HST; 16:00 AKDT; 17:00 Arizona; Friday, June 23, 2023 00:00 GMT)

Select Number:

CE03122647

Description:

Hearing acuity diminishes over time, and it diminishes with prolonged exposure to noise. Hearing loss can lead to fatigue that can potentially lead to unsafe flying conditions. Clear communications is essential to safe piloting. Have you ever experienced an emergency where Carbon Monoxide was present in your cockpit? This is a major safety concern for pilots of piston aircraft and can result in deadly consequences.

This program will present important topics of hearing loss as we age and the use of carbon monoxide detection in aircraft. Viewers will learn about tools pilots can use to improve their hearing, lengthen their career in the cockpit, and gain confidence in hearing critical communications, and protection from carbon monoxide. Presenters will demonstrate the new **Lightspeed Aviation Delta Zulu Safety Wearable** which addresses both of these pilot concerns.

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:

Advanced Knowledge 2 - 1 Credit

Podcasts & Apps & Gadgets –

YouTube video on **Legal Interpretation of FARs**: <https://www.youtube.com/watch?v=7xX3Qrtr0pM>

TWEED NEWS -

NOISE ABATEMENT PROCEDURES: The Tweed-New Haven Airport is bounded to the West and East by suburban communities and to the South by sensitive wetlands. Please adhere to the following procedures to help us be the best neighbors and stewards of the land as possible:

- Departing Runway 20, fly runway heading until crossing the shoreline before making any turns.
- Departing Runway 2, fly runway heading to 1,000 feet before making any turns.
- No touch-and-goes late at night or early morning (ie from 2200 local to 0700 local, 0800 local on Sundays).



Keep in mind that fuel is cheaper at Robinson on the weekends. Be sure to ask for a top-off after your flight if it is on a Saturday or Sunday!! And we will reimburse you for fuel obtained at Meriden, where the cost is 25% less!

TSA Badges –

If you are checked out to be PIC of one of our airplanes, you will need a SIDA security badge for KHVN to access the aircraft. To obtain one you must

1. Have a completed application signed by our TSA signatory, **Laura Baldwin** (203-966-8499, lfbaldwin@aol.com). For that signature she needs to see two forms of ID (passport and driver's license work really well) - **AT LEAST ONE NEEDS TO BE A PASSPORT, SOCIAL SECURITY CARD OR BIRTH CERTIFICATE.**
2. With the above completed, contact **Garrett Kimball** at the Badging Office at gkimball@avports.com or 203-466-8833 ext 1004 to have your fingerprints taken and complete training. Their office is located on the first floor of the arrivals terminal, and Garrett is available 9:30-16:00: M-Th by previous appointment, AND Friday for walk-ins. The whole process takes about 1.5 to 2 hours.
3. Once all training exams are completed satisfactorily and security receives a "pass" from the security threat assessment, ID badges can be issued.
4. New badges are \$50 (card payment only) and renewals are \$30, which we need to do every other year in September. Be sure to have your old badge with you, plus the two forms of government issued ID you showed to Laura.

If someone isn't compliant their badge will be disabled, and they will have to attend a training class to have it re-enabled and usable. **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!!!

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. **Tom Sobocinski**, our Webmaster, has updated the site to include a gallery of names and faces, current Newsletters and the full 12-part 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 (<https://www.zazzle.com/s/yale+aviation>). Zazzle in particular has some new items (cell phone grips, ornaments, bag tags) which should go online by the end of the weekend or next week, so check it out! 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) if you have any questions or have ideas for additional merchandise!



We take 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 – 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 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(S) -

New Simulator Ready for Action!

YA is glad to announce that our simulator has been upgraded and relocated to New Haven Aviation Center -- the HVN-based flight school! The new model was generously donated by **Jay Leboff**, who founded and runs STEMPilot, a Waterbury company dedicated to teaching math and science through the excitement of aviation.

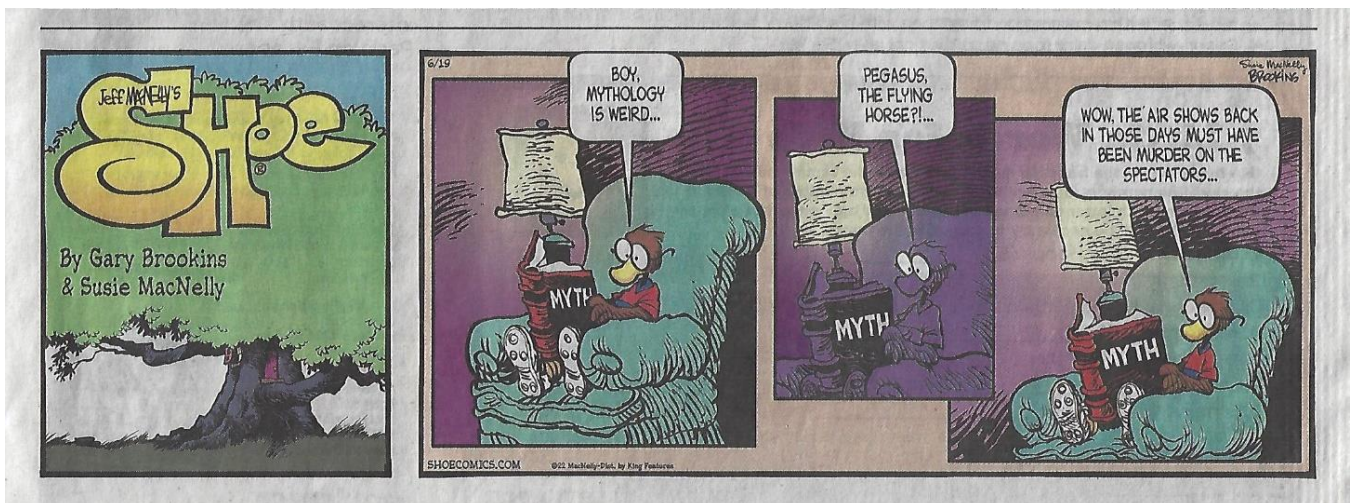
The system uses Lockheed Martin Prepar3D software and hardware, including a yoke and rudder pedals together with a switch panel, radio panels, an autopilot panel and a multipurpose display.

New Haven Aviation Center has agreed to host the YA simulator in the classroom space of their offices at Robinson Aviation. **To book the simulator, call or text Laura Baldwin (203-517-5409) or Jake White (203-668-7655).**



Loggable AATD Simulator Installed at 3Wing Aviation!

The folks at 3Wing Aviation at KBDR have a **Precision Flight Control** flight simulator available for use that is qualified to log approaches and conduct training. It is open to both 3Wing members and the public. Rates are \$99 per hour for non-Club members (instruction is extra), and time can be scheduled by calling 3Wing at 203-375-5795. The initial flight needs an instructor to explain the setup – **Laura Baldwin** (lfbaldwin@aol.com) is such an instructor, qualified with 3Wing. Let her know if you have any questions or want to schedule a flight!



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

Secretary@gmail.com

Laura Baldwin, Secretary