



Volume 18 – 01

www.FlyingClub1.org

January 2018



The Privileged View

Steve Beste, President

Holiday Party. Tom Richards once again hosted us for our annual Holiday Party. The weather was cold, rainy, and miserable, so turnout was down. And the usual bonfire was not possible. Nonetheless, we were all the happier to be in Tom's warm house. I was delighted to deliver this year's Flying Club 1 awards:

- **President's Award:** to **Lucy Ooi**, our faithful newsletter editor. Her work takes her all over the country, but she still publishes the newsletters, often from a hotel room somewhere. Besides that, she flies more than anyone *and writes about her adventures*. Nobody in the club promotes flying more than Lucy does.



Steve Beste and Lucy Ooi

- **Directors' Award:** to **Tom Richards**. We directors were glad to have Tom back in the ranks of Club 1 award winners. He richly deserves it for welcoming us into his house on those freezing April and May meetings, and for opening the Airpark to us year round. Plus, he's a fine storyteller, which alone is worth an award.
- **Volunteer Award:** to **Pete Bastien**. Supposedly retired, Pete now flies almost every day, either as a charter pilot or as an instructor. His ready good humor makes everyone a friend, and his enthusiasm for flying is infectious. Plus, he goes out of his way to give check rides for club members.



Tom Richards

- **Volunteer Award:** to **Robert Doak**, our events chairman. If you want an event imagined and promoted, Robert is your man. In particular, he and Tom Simmons thought up, planned, and promoted the Kitty Hawk flight. Alas, his work schedule kept him from going on that flight, as well as on both Poker Runs. Here's to seeing more of Robert in the skies of 2018.



Pete Bastien



Robert Doak

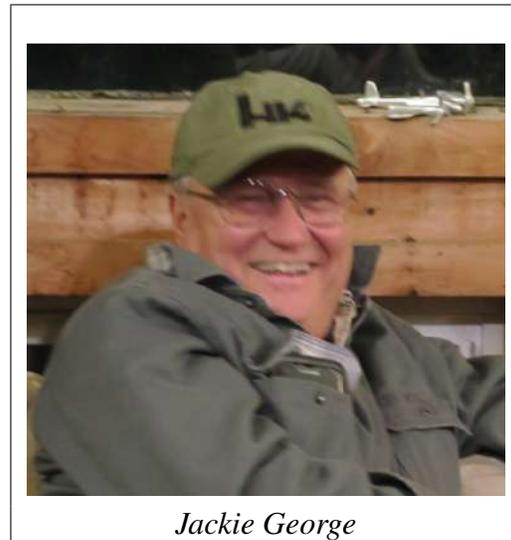
- **Volunteer Award:** to **Tom Simmons**. The absolute key to bringing new people into the sport is that first demonstration ride. That's where they discover whether this sport is for them. Tom gives those rides, frequently and generously. Plus, he promotes cross-country flying, with trips to the Statue of Liberty in 2016 and to Kitty Hawk in 2017. Spoiler alert: he's planning a club trip to Niagara Falls for 2018. Be there.

Cooks! Could you be the cook at our May or October meetings? Just [sign up here](#). Many thanks to those of you who filled this roster so full. Remember that 2018 meetings will be on the *second* Saturday of each month, no longer on the first.

Date	Role	Volunteer
April 14	Cook at the monthly meeting	Jim Birnbaum
May 12	Cook at the monthly meeting	
June 9	Cook at the monthly meeting Organize the Poker Run	Allen Whatley Steve Beste
July 14	Cook at the monthly meeting	Robert Doak
August 11	Cook at the monthly meeting	Dick Martin
September 8	Cook at the monthly meeting	Jim Heidish
October 13	Cook at the monthly meeting	
October 27	Organize the Color Run	Robert Doak
December 8	Organize the Holiday Party	Steve Beste

Winter meetings. We also settled on topics and presenters for the three winter meetings.

- January 4th - **Engine maintenance**, especially two-stroke, presented by Jackie George.
- February 1st - **You've landed out; now what?** Hot air balloonists, hang glider pilots, and Jackie George have all ended up in some stranger's field. What happened next? Come join the discussion.
- March 1st - Two discussions, both led by Tom Richards:
 - **What are your personal limits** for wind, cold, clouds, over-water, etc.
 - **Aeronautical old wives' tales** like the downwind turn.



Jackie George

The meetings are on the first Thursday of each month from 7:30 to 9:00 at the Centreville Regional Library. See you there.

New director, Robert Doak . Past president Len Alt has retired to Florida. He writes that he and Jane arrived three days before the hurricane but had no problems. On the contrary, he saw someone flying a PPG the other day and is trying to track him down. I hope he gets back in the air. He promises to let me know if he does. In the meantime, his departure leaves a vacancy on the Flying Club 1 board of directors. Robert Doak has agreed to serve as a director. Curiously, he kept asking what the duties were. “Oh, they’re minimal,” we told him.

Fly safely,

Steve



This Month's Fly-In Destinations

To encourage all of us to get in the air more, the following is a list of fly-ins I found within (about) 100 NM of the Warrenton Airpark which are occurring in the next month. Sources are: The [EAA Calendar of Events](#), [www.flyins.com](#), [www.socialflight.com](#) and the [Virginia Department of Aviation Calendar of Events](#).

Date	Event Description	Location	Distance from 7VG0
Sat, Jan 6 / 9-11:30AM	Lancaster Airport Fly-in Breakfast and Presentation. Breakfast until 10:30AM. Presentation 10:30-11:30AM on charitable flying.	Lancaster Airport (KLNS)	112 NM
Sat, Jan 20 / 11AM-12:30PM	EAA Chapter 1563 Monthly Meeting	Gordonsville Municipal Airport (KGVE)	35 NM

ADS-B for Light Sport and Experimental Aircraft

By Dick Martin

The FAA's new ADS-B air traffic control system is gradually coming together with a 2020 deadline for aircraft that fly in controlled airspace to be equipped with "ADS-B out" capability. For certified aircraft this is a pretty complicated and expensive proposition.

Without understanding all the technical issues and features of "ADS-B out" installations, I decided to try to find a low cost ADS-B setup for my LSA. I won't really need it because I don't fly in controlled airspace much but it offers some good services (weather, traffic, GPS). I especially like the idea of seeing and being seen by other airplanes while flying. As I understand it, "ADS-B in" uses an inexpensive receiver and offers some of the new services but it is "ADS-B out" that transmits my position, ID, altitude, speed, and direction to Air Traffic Control and to other airplanes. To me, that seems like a useful safety capability for VFR operation in this busy East Coast airspace.



My plane already has a transponder and I already have an iPad, so those are two parts of the setup I didn't have to buy. I subscribe to a GPS service called iFly, which gives me updated sectional charts, weather, and airport databases for \$70 a year. The iFly company offers several "ADS-B in/out" transceivers that are compatible with its GPS. I bought one called "Skyguard Vision Pro +" for experimental and LSA aircraft for \$1300. This is a lot cheaper than ADS-B transceivers for certified aircraft. The A3 Aviation avionics shop at Warrenton-Fauquier airport did the installation, which required two new external antennas, for about \$500.

So what does it do? I use the GPS navigation and the “see and be seen” traffic information. When navigating with my iPad, it notifies me whenever another plane with “ADS-B out” is nearby. When another plane with “ADS-B out” is in my vicinity, a yellow arrowhead appears at the airplane’s location on the sectional chart on my iPad screen and a blue exclamation point appears on the screen. I tap the exclamation point and a box appears showing me the nearby plane’s altitude, direction from me (“nine o’clock”), distance from my plane, and direction of flight. At the same time, the pilot of the other plane sees me on his screen with all the same information (speed, altitude, direction to look, direction of flight, distance away).



In this screen shot from my iPad, I am the green airplane in the upper right corner. The yellow arrowhead is the traffic. From my position, I can look for him to my left, at 9 o’clock. He is 4.3 miles away, flying at an altitude of 5594 feet, on a heading of 304 degrees.

Often I can’t see the traffic visually unless it is just a mile or so away but I find it helpful to know about other planes in my vicinity and reassuring that they know about me. A couple of weeks ago a plane appeared on my screen several miles away, at my altitude, headed my direction, and directly in front of me (“12 o’clock”). I looked for it out the window and couldn’t see it in the haze. Just in case, I turned to the right to get out of the way. Sure enough, I spotted the other plane just as it whizzed past my left headed the opposite direction. It might have been too close for comfort if I hadn’t had the ADS-B. Presumably the other pilot was also aware of my location, altitude, course, and direction as we approached each other head on.

As more planes are equipped with “ADS-B out” in the future, it will help us stay separated and safe even if we are just flying VFR in uncontrolled airspace.

Meeting Minutes

December 2017

Flying Club One Meeting

Saturday, December 9, 2017

Warrenton Airpark

Warrenton, VA

Holiday Party and Meeting Held at Tom Richards' home

With members and friends enjoying the party, *President*, **Steve Beste** thanked **Tom Richards** for holding the annual event at his home and then called a short meeting to order.

The first order of business was the Election of Officers. *President* and *Secretary* were up for election for the years 2018 and 2019. Both *President*, **Steve Beste** and *Secretary*, **Jim Heidish** said they would stay on for two more years at the wishes of the membership unless there were other nominations; there were none, so they will continue. Also, the Board of Directors appointed **Robert Doak** as our new Board member, replacing **Len Alt** who retired and moved out of the area.

We talked about **Programs** for our cold weather meetings at the library. Some of the members said they would like to put together presentations and could have them ready at our January meeting.

With our warm weather meetings comes the much loved **cookouts**, so we passed around a sign-up sheet.

The last order of business, awards.

Three Volunteer Service Awards, voted on by the Membership:

- **Peter Bastien**, for helping the members with training and flight reviews.
- **Tom Simmons**, for his organizing the Kitty Hawk fly-out, his enthusiasm and always giving rides to all.
- **Robert Doak**, for his hard work as our *Events Coordinator* and actively supporting everything we do.

Director's Award, chosen by the Club Directors:

- **Tom Richards**, for letting us call his wonderful Airpark home for so many years.

President's Award, chosen by the President:

- **Lucy Ooi**, for putting together our monthly Newsletter, contributing many of its articles and for being a big promoter of our sport.

Submitted by **Jim Heidish**, *Secretary*

Service Providers

Recap our standing list of service providers:

- **PPG instructor and dealer:** Michael O'Daniel, 540-270-8855
- **Aircraft instructor - CFI:** Pete Bastien, 703-568-5778
- **Trike instructor:** Pat Tyler, 202-746-4687
- **Aircraft instructor - light sport and seaplane:** Chuck Tippett, 540-905-5091
- **Ultralight (Part 103) instruction:** Tom Richards' Grass Roots Flyers, 703-568-3607
- **Machinist:** Luther Taylor, 540-222-3927
- **Welder:** Luther Taylor, 540-222-3927
- **A&P mechanic/IA (not at Airpark):** JD Ingram, 513-388-6312
- **Light Sport Condition Inspections, Rotax Certified:** Tim Loehrke, 703-618-4005

Activities

Flying Club 1 Activities Schedule

Designated Club meetings will be held the first Thursday of each month in the Centreville Regional Library, 14200 St. Germain Drive, Centreville, VA, at 7:30 PM. Others will be held at 11:00 AM at the Warrenton Airpark as shown in the 2018 schedule. Changes in time or location will be posted in this newsletter and on the Club website.

Date	Activity	Location
Thu, January 4th, 7:30 pm	Conversation, club business meeting and program (What are your personal limits for wind, cold, clouds, over-water, etc? and Aeronautical old wives' tales like the downwind turn)	Centreville Regional Library
Thu, February 1st, 7:30 pm	Conversation, club business meeting and program (You've Engine maintenance, especially 2-stroke)	Centreville Regional Library
Thu, March 1st, 7:30 pm	Conversation, club business meeting and program (You've landed out. Now what?)	Centreville Regional Library
Sat, April 14th, 11 am	Club meeting, fly-in and cookout at Warrenton Airpark	Airpark
Sat, May 12th	Club meeting, fly-in and cookout at Warrenton Airpark	Airpark
Sat, June 9th, 8:00 am	Poker Run	Airpark
Sat, June 9th, 11:00 am	Club meeting, fly-in and cookout at Warrenton Airpark	Airpark
Sat, July 14th, 11 am	Club meeting, fly-in and cookout at Warrenton Airpark	Airpark
Sat, August 11th, 11 am	Memorial table, monthly meeting, fly-in and cookout at Warrenton Airpark	Airpark
Sat, September 8th, 11 am	Club meeting, fly-in and cookout at Warrenton Airpark	Airpark
Sat, October 13th	Club meeting, fly-in and cookout at Warrenton Airpark	Airpark
Sat, October 24th	Club 1 Color Run Fly-out	Airpark
Thu, November 1st, 7:30 pm	Conversation, club business meeting and program	Centreville Regional Library

Date	Activity	Location
Sat, December 8th, 5 pm - 8 pm	Monthly meeting and Holiday Party	Airpark Club House

Classifieds

Ads will be run twice and then dropped unless resubmitted, or renewed by telephone or e-mail. Please advise the editor: **Lucy Ooi** (Ooi.Lucy@gmail.com) when the ad is no longer needed.

For Sale: ½ ownership of Fisher Celebrity Biplane

Powered by new Rotec R2800 radial engine.
110 horsepower, 7 cylinders. Made in Australia.

All wood construction except for landing gear which is Grove one piece aluminum.

Hangared at Warrenton Airpark.

Aircraft is about 80% completed.

2 place open cockpit plane cruises about 80 MPH.

Qualifies as light sport.

I am offering my half of this fine project, but if buyer desires, entire aircraft may be purchased.

Call for further info or to make appointment to see this beautiful taildragger.

Gil Coshland - (703) 618-3422

Jim T. Hill - (703) 659-8336

Weight-Shift Enthusiasts - Your prayers have been answered! A very nice up-scale trike at an affordable price...

Specifications: NorthWing Navaho (strut braced - no king-post), 2-seat Tandem

Engine: Rotax 582 blue head with C- Gear-Box and just under 300 hours total time (never overhauled)

Well-maintained - dacron fabric and everything else looks brand new.

Many extras including Radio, GPS, Landing Lights, wheel pants, hydraulic disc brake system, wide tires, 3-blade IvoProp, 2017 Virginia License, 1,050-lb BRS parachute for safety and extra parts.

Photo below was taken at Shannon Airport. This Trike is owned by Kiho Bae, and has recently moved to Warrenton Airpark. Kiho Has asked me to advertise this at an asking price of \$18,500. Incidentally, Kiho is an experienced pilot who flew C-46 Commanders in the Korean Air Force, and now flies a Robinson R-44 Helicopter and single-engine fixed-wing as well as weight-shift aircraft. He would be happy to take you for a demonstration ride. Kiho is willing to fly it to your location.



Special Price \$18,500

Call Tom Richards (703) 568-3607 or Kiho at (703) 314-6262

Airfield and house for sale. Dr. Bob Karmy has long been a friend of the Club, letting us fly into Karmy's (67VA) for years. He's now retired and is selling the place. It includes a large house, with a hangar and an 1,800' grass strip just south of Woodstock in the valley. This would make a great training field. And do notice the hot tub in its own little house. The listing and pictures are [here](#). Asking \$899,000.

Contact the realtor, Shirley French. Shirley@funkhousergroup.com 540-325-4444.



Membership Dues Policy

The period of membership follows the calendar year - January through December. The renewal period starts on 1 October with regular dues at \$20.00 and family at \$25.00. Members who have not paid their dues by the end of February will be dropped effective 1 March and will not receive the Newsletter or Membership Roster. New members joining after 1 October will be charged \$20.00 or the family rate, if applicable and will be credited with full membership for the following calendar year. Please mail payments to Flying Club 1, 8570 King Carter Street, Manassas, VA 20110. Payment can also be made at the regular monthly meeting. Please include the Membership Application form with your payment. This will be used to ensure that our records are current. A copy of the membership application is attached and also printed at the end of the Newsletter.

Jim Birnbaum
Flying Club 1
Membership Director, Treasurer

MEMBERSHIP APPLICATION



Type of membership: New, Renewal, Regular, Family membership

Name(s): _____

Name To Go On Your Name Tag: _____

Street or PO Box: _____

City: _____ State: _____ Zip: _____

Telephone, Home: _____ Cell: _____ Work: _____

Spouse's Name: _____

Emergency Contact: Name: _____ Phone: _____

E-mail Address: _____

Aircraft Liability Insurance through: _____

Aircraft make and model: _____ N-Number (if any): _____

Pilot rating(s): _____

Club Activities or Services for Which You Volunteer: _____

Information from this application will be in the club's membership roster which goes only to members.

Instructions:

1. FILL OUT THE ABOVE FORM.
2. ENCLOSE A CHECK FOR \$20 (\$25 FOR A FAMILY) MADE OUT TO **“FLYING CLUB 1”**.
3. SEND THE FORM AND CHECK TO:
Jim Birnbaum, Treasurer
8570 King Carter Street
Manassas, VA 20110-4888

To join the national USUA, go to <http://www.usua.org>

To join the national USPPA, go to <http://www.usppa.org>

Flying Club 1 General Information

The Flying Club 1 is a nonprofit, recreational club dedicated to the sport of ultralight and light sport aircraft flying.

2018 CLUB OFFICERS AND DIRECTORS

President: Steve Beste 703-321-9110

Vice President: Dick Martin 703-242-2367

Secretary: Jim Heidish 703-524-5265

Treasurer: Jim Birnbaum 703-361-7478

Events Coordinator: Robert Doak 703-897-4989

Director At Large: Pete Bastien 703-568-5778

Director At Large: Robert Doak 703-897-4989

Director At Large: Lucy Ooi 585-410-5573

ber support in varying amounts. Please indicate on your membership application the function(s) (can be more than one) you will support as a Club member. All active Club members are expected to participate. However, members who live some distance away and cannot attend meetings regularly may prefer to support functions associated with Club weekend activities.

ANNUAL DUES (Jan 1-Dec 31) \$20.00. Family membership (typically husband and wife): \$25.00. A spouse who wishes to participate will please complete a membership application form.

2018 CLUB VOLUNTEER STAFF

Safety & Training: Vacant

Membership: Jim Birnbaum 703-361-7478

Club Artist: Jim Heidish 703-524-5265

Newsletter Editor: Lucy Ooi (“Wee”)

Ooi.Lucy@gmail.com

Web Master: Steve Beste,

president@flyingclub1.org

A club is only as good as the members who volunteer to support its activities. The following listed activities with the club require mem-

CLUB WEB SITE: <http://flyingclub1.org>

MEETINGS are monthly, year-round. See the web site for dates and places.

THE NEWSLETTER: The newsletter is published by email on the first of every month.

SUBMITTING ITEMS FOR THE NEWSLETTER Members and non-members are encouraged to submit items for this newsletter. Send submissions to Lucy Ooi at Ooi.Lucy@gmail.com at least one week prior to the end of the month.

If you are interested in joining the U.S. Ultralight National Organization go to their website for membership information at: www.usua.org

Likewise, if you are interested in joining the U.S. Powered Paragliding Association, the National PPG Organization, go to their website for membership information at: www.usppa.org