



FROM THE FRONT SEAT

Steve Beste, President

Flying Club 1 Wounded Warrior Flight. On a weekend in September or October (date TBD), Dave Riedel has arranged the first ever Flying Club 1 Wounded Warrior Flight for Army 1st Lieutenant Nick Vogt. Depending on Nick's recovery and favorable weather, we will schedule the flight with as much lead time as possible. Please come out to the Airpark to make Nick and his parents welcome. Here's the back story.

Nick is a best friend of Dave's son, Brent, who is also an Army 1st LT. Nick graduated from West Point in 2010. He was accepted to medical school, but deferred starting med school to first become an Infantry Officer and Ranger. He deployed to Afghanistan and was in country a month and a half. On November 12, 2011, he was leading a foot patrol with his Ranger Platoon in a Kandahar province. His radioman was hit by an Improvised Explosive Device (IED) and was killed. 1LT Vogt was responding to the first IED when he spotted a second IED and pushed one of his men out of the way and took the brunt of the blast from it. He lost both legs in the blast. His recovery story is a true miracle. He was in hospitals in Afghanistan, Germany, and then at Walter Reed Medical Center. He has set the record for the most blood ever given to a wounded warrior at over 600 units. Since then, his recovery and his attitude toward life have been an inspiration to those who know him and have followed his recovery. He still has the slot at medical school, and he plans on attending as soon as his rehab is complete. As you can tell from this brief bio, Nick is an extraordinary young man.

[Here is a video](#) of Nick doing more push-ups than you can do! The photos below are Nick with his Mom and Dad—who have been by his side every day since he was flown to Germany—in Alaska after Nick received the Bronze Star for his actions on that day. The second picture is a recent photo at Walter Reed.





You and I know that one of the sweet things in life is the flying we do. We touch the sky and have a privileged view of the land. To share this with Nick, Dave has arranged for Ben Maybach to take Nick up in his powered parachute (PPC). We'll get as many PPGs & PPCs airborne as we can to commemorate the flight and hopefully get some great video and pictures. If there is an open seat in any other PPCs, it would be cool to fly his Dad too! Dave or I will be emailing you with the date and time as soon as we know it. Come join us, flying or walking and show your support to one of this country's young Wounded Warriors and his parents. If all goes well, Dave and I have discussed making this an annual Club event.

Upcoming fly-ins:

- Cambridge, MD (KCGE). Wings & Wheels. Saturday, Sept 8th. Flyer at <http://www.cambridgewingsandwheels.com/>.
- Front Royal (FRR). Virginia Airshow. Sept 8th. The airport will be closed for the airshow between 11 and 5. Flyer at <http://www.virginiaairshow.com/>
- Holly Springs (80VA), Central Virginia Light Flyers Fall Picnic. 10:00am.
- Shreveport North (62PA). Fall Trike Fest Fly-in. Sept. 14-15
<http://www.trikepilot.com/events/profile/90>

Fly safe,
Steve



UNDERSTANDING LIFT

By Jim Heidish

What is known scientifically about lift and how is that knowledge understood on the practical level?

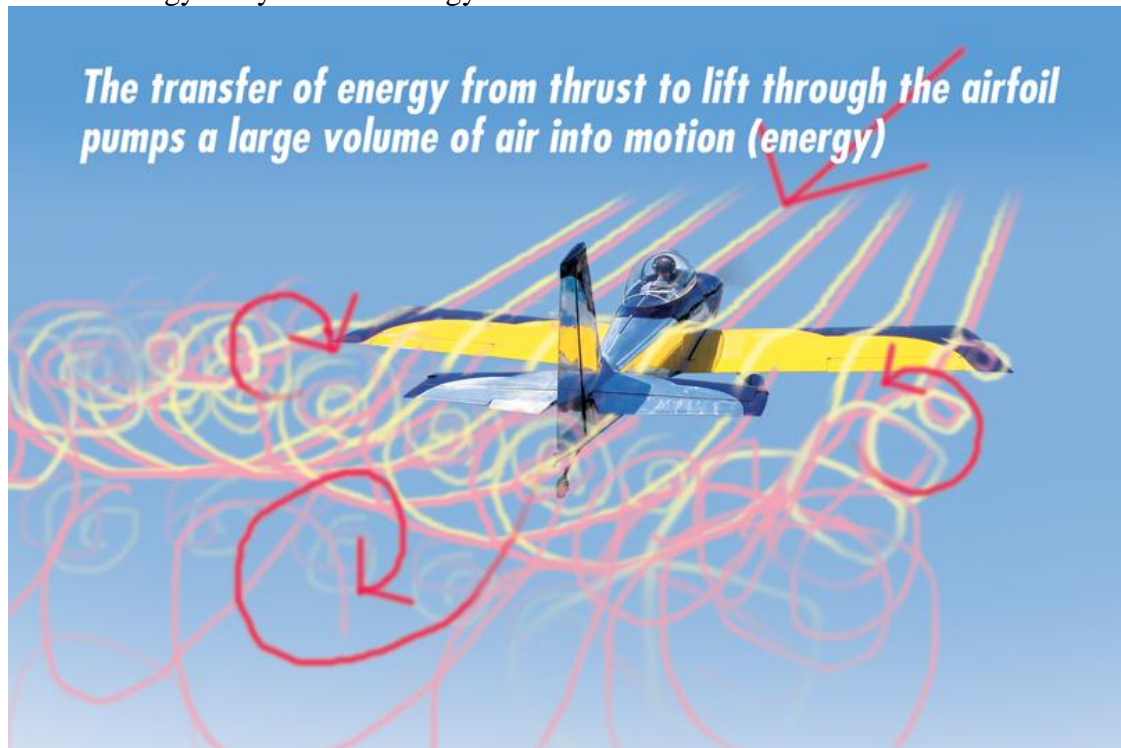
We have a quite a comprehensive scientific/aerodynamic understanding of lift and how all of the so called theories of lift (each having their own explanation) really work together as one and in turn have produced many very advanced and efficient airfoils. But, we have not explained or illustrated this knowledge in practical terms to pilots very well.

An airfoil is a very dynamic generator of lift, a transfer of energy from thrust into lift (the conservation of energy). It pumps large quantities of air into motion as it is being thrust through the air. Yet many pilots, instructors and even the FAA still thinks a wing is this passive fin that sticks out in the breeze and is sucked up or deflects air down. No wonder we have so many stall accidents!

I suggest that a good way to illustrate how a wing (airfoil) generates lift is to use a helicopter (rotary-wing). For the same weight of aircrafts the fixed wing and rotor wing needs to produce the same amount of lift to defy gravity. The big (area) fixed-wing does not have to move as fast as the small (area) rotary-wing does, but they are generating lift the same way, pumping large quantities of air into motion.

When you fly an airplane at a High AOA (low speed) the attached large low speed air mass can cause a lot of induced drag. See illustration. But at a Low AOA (high speed) you put a smaller amount of air into motion but at a higher speed and with very little induced drag.

It takes energy to fly and that energy is AIR IN MOTION!



Meeting Minutes

August, 2012 Minutes

Flying Club One meeting

Saturday, August 4, 2012

Warrenton Airpark

Warrenton, VA

Selling 50/50 tickets before meeting

Call to Order

President, Steve Beste called the meeting to order at 11 A.M.

17 members present.

CONNECTIONS

Visitors & New Members

Peter Richter, who flew C-150s at one time and now is training to fly a trike, said it's lot more fun!

Old members

Larry Walker (the man with all the info.) said that one time very active member and PPG teacher, Jerry Strabuck is back in the area, but he is not training PPG pilots or flying any more. Many wish he would become active if just to fly again. Larry (who's on the Warrenton Fauquier Airport committee) said that the ILS that was going to be installed at Warrenton Fauquier Airport did not get approved because the local communities and residents did not want to remove all the trees required for the shallow 50 to 1 approach slope. The GPS approaches should go through. Also after the meeting Larry had a Tool Sale out of the back of his car—many specialty tools at a very good price.

Long distance flyer, **Lucy** said she flew to the Aeronca Fly-In at Middletown, Ohio and plans to fly up to Connecticut soon.

Jim Birmbaum has solved all the engine problems with his XAirH and is flying again.

SERVICE PROVIDERS

Recap our standing list of service providers:

- PPG instructor and dealer:
Michael O'Daniel
- Fixed wing instructor: **Chuck Tippett**
- Welder: **Tom Kotsch**
- A&P mechanic: **JD Ingram**

REGULAR REPORTS

Secretary: **Jim Heidish** reported that the July Minutes will be published in August Club Newsletter and the June Minutes were approved as published.

Treasurer: **Jim Birmbaum** reported: July Income: \$56.00, Expenses: \$87.28, The Flying Club 1 Checkbook Balance: \$2686.56.

President: **Steve Beste** reported that ABC News contacted him about getting photos of Ultralight aircraft for a story they were running on terrorist training to fly Ultralights in Spain. He sent them to our website, and they found some Trike images to use. Some of the members said they saw the report said it was misleading as to the threat of Ultralights.

Safety and Training Director: **Dave Riedel** - not at meeting.

Membership Director: **Jim Birmbaum** reported that we have two new members and now have a total of 55 paid up members.

Warrenton Air Park Owner: **Tom Richards** reported that he is still having problems with the county and trying to get a lot of things up-to-code. Tom said he wanted to thank everyone that helps out with keeping all the grass cut. He passed out some flyers that outlined the flight training that he and a few other members are going to set up at the Airpark. It would be training the in PPG,

Ultralight, Sport Pilot and Private Pilot categories. Also Tom said the D.C. Skydivers' big turboprop jump plane was not flying because of a conflict of airspace issue (the pilot flew too close to a plane that was practicing IFR flying and not looking out for traffic).

Old Business

None

New Business

None

Program

None

MONTHLY PROGRAM - None

50/50 Drawing

Tom Richards was the winner!

Adjourn

President, Steve Beste adjourned the meeting at 11:50 A.M.

Cook Out

Everyone enjoyed the great cookout thanks to **Jim Birnbaum**. This is the second time this year as master chef.

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

Activities

2012 FLYING CLUB 1 ACTIVITIES SCHEDULE

Designated Club meetings will be held the first Thursday of each month in the Centreville High School, Union Mill Rd., Centreville, VA, at 7:30 PM. Others will be held at 11:00 AM at the Warrenton Airpark as shown in the 2011 schedule. Changes in time or location will be posted in this newsletter and on the Club website.

Date	Activity	Location	Description
Thur, January 5th, 7:30PM	Club Meeting	CVHS	Conversation, Club business meeting, and program.
Thur, February 2nd, 7:30PM	Club Meeting	CVHS	Conversation, Club business meeting, and program.
Thur, March 1st, 7:30PM	Club Meeting	CVHS	Conversation, Club business meeting, and program.
Sat, April 7th, 11 am	Club Meeting	Airpark	Club meeting and cookout at Warrenton Airpark
Sat, May 5th • 10am - Memorial ceremony • 11 am - Club meeting & cookout	Memorial, Club Meeting, & cookout	Airpark	Memorial ceremony and cookout at Warrenton Airpark
Sat, June 2nd • 7am - PPG Poker Run • 8:30am - Airplane & Trike Poker Run • 11 am - Club meeting	Club 1 Poker Run and Club Meeting	Airpark	Club 1 Poker Run and Club Meeting at Warrenton Airpark
Sat, June 16th	Father's Day Fly-In at Shreveport North (62PA)	62PA	The largest ultralight fly-in in the mid-Atlantic states. Club 1 fly-out from Warrenton Airpark
Sat, July 7th, 11am— <i>moved to the 14th</i>	Summer BBQ and Club Meeting	Airpark	Monthly meeting and Summer BBQ at Warrenton Airpark
Sat, August 4th, 11am	Club Meeting	Airpark	Monthly meeting and cookout at Warrenton Airpark
Sat, September 8th, 11am	Club Meeting	Airpark	Monthly meeting and cookout at Warrenton Airpark
Sat, September 15th	Club 1 Fly-out to Trikefest East at Shreveport North (62PA)	62PA	Club1 Fly-Out from Warrenton Airpark
Sat, October 6th	Club 1 Fly-in and meeting	Airpark	Monthly meeting, Club 1 Fall Fly-In and cookout at Warrenton Airpark
Sat, October 27th	Club 1 Color Run Fly-Out	Airpark	Club 1 Color Run Fly-Out at Warrenton Airpark
Thur, November 1st, 7:30pm	Club Meeting	CVHS	Conversation, Club business meeting, and program.
Sat, December 8th 4:30pm - 9pm	Club Meeting / Holiday Party	Airpark Club House	Monthly meeting and Holiday Party.

CLASSIFIEDS

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

FOR SALE — Zodiac 601 XL (650 XL) partially completed kit. Kit includes Constructed Tail Surfaces and Fuselage, to include Landing Gear with Wheels and Brakes, Dual Brake Peddles kit, Dual Control

Stick kit and Instrument Panel. The wing kit and engine is needed. The wing kit is available now pre-drilled. It The plane will take a Rotax 912S, Jabiru 3300, Continental 0200, Lycoming 235, Corvair or VW conversion engines. All documentation and registered plans are in the package. Asking \$7500 or

best offer above \$6000. Note this is a Light Sport class aircraft. It is available built, IFR Certified at Southeast Light Sport for \$99,900.

(SouthEastLSA.com). See

<http://www.zenithair.com/zodiac/xl/> for details of aircraft: Contact: Larry Walker, 540-347-7609

Flight Test Report: Steve Flattum flight tests the Zodiac and reports:

“The CH 601 XL / CH 650 family of airplanes are a delight to fly. Simple and easy to fly with a great view and they are very comfortable for long flights. The airplane is very strong and it is backed by a company that has been around for a very long time.”

FOR SALE — Partnership - Taylorcraft BC-12D (1946) - available. Aircraft is hangared at Warrenton Airpark. The Taylorcraft is flown about 65hrs/year and should be flown more. Annual, hangar, insurance, maintenance and repair are shared costs, while fuel is individual responsibility. Tom Richards and Jim T. Hill are looking to add one or two partners to replace a leaving partner. Please contact Tom Richards ([703\) 568-3607](tel:7035683607); warrentonairpark@yahoo.com or Jim T. Hill for details.

FOR SALE — 1978 Weedhopper Ultralight for sale: JC24C model; no engine; just frame. Will need new sails. Contact Mark Ripberger for more details. Sold “as is” \$400.00 ripbergerm@darden.virginia.edu 434-589-8311

Aviation Magazines “Ultralight Flying”

All twelve monthly issues for most years between 1989 through 2008—almost 20 years. Not mint, but good readable condition, \$50.00 cash. Call or e-mail for more details. I live in Annandale VA. Dsax289@aol.com Ph# 703-503-8289

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 dues at \$25.00.

Members who have not paid their dues by the end of March will be dropped and will not receive the Newsletter or Membership Roster. New Members joining after 1 July will be charged half-price.

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 on the next page with your payment. This will be used to ensure that our records are current.

Jim Birnbaum, Treasurer
Flying Club 1

MEMBERSHIP APPLICATION - 2012



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 included in the club's membership roster which is distributed only to members.

INSTRUCTIONS:

1. *FILL OUT THE ABOVE FORM.*
2. *ENCLOSE A CHECK 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.

2011 CLUB OFFICERS & 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
Director and Past President: Len Alt 703-945-9314
Director At Large: Dave Riedel 703-815-4924
Director At Large: Larry Walker 540-347-7609

2011 CLUB VOLUNTEER STAFF

Safety & Training: Dave Riedel 703-815-4924
Membership: Jim Birnbaum 703-361-7478
Club Artist: Jim Heidish 703-524-5265
Librarian Dick Walker 202-363-4546

Newsletter Editor: Autumn Aceto 703-655-4137
e-mail: alaceto@gmail.com
Web Master: Greg Palmer 703-912-3774
PPG Web POC Par Karandikar 703-201-8909

A club is only as good as the members who volunteer to support its activities. The following listed activities with the club require member 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. (Includes newsletter.) Family membership: \$25.00. After July 1, dues for remainder of year

are \$10.00. Family membership: \$25.00 (husband and wife). (A spouse who wishes to participate will please complete a membership application form.)

NEWSLETTER SUBSCRIPTION (without membership) is \$10.00 per year.

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

Note the change in web site. Flying Club 1 now has an officially registered name on the internet.

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

SUBMITTING ITEMS FOR THE NEWSLETTER Members and non-members are encouraged to submit items for this newsletter. Send submissions to Autumn Aceto, 9595 Sherburne Farm Rd, Marshall, VA 20115. E-mail is shown at left. Deadline for entry of items into the newsletter is 10 days before each meeting.

Club Management/Administration: Club Officers (elected, Directors and Staff). (Talk to current officer for more detail.) *Fly-ins:* Food supply, preparation; Facilities; Grounds; Ground Support. *X-country & outside events:* ground support. *Safety & Education:* Flight Safety & Training, New Member Mentoring, Library, Monthly Program Development. *Communications:* Membership, Newsletter, Web Site. *Fund Raising:* 50/50 Raffle. *Miscellaneous:* Meeting Facilities, Property Management, Clothing Sales, Tool Custodian, Ad Hoc Committees.

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