



From the Front Seat

Steve Beste, President

I met CFI Mike Snyder at Bay Bridge Airport last month when [I flew there and back](#). I heard of him a year ago when he got his trike CFI ticket and showed up at the Father's Day fly-in with this fancy Revo trike. (See picture to left.) But word came back to me that he wasn't training students. And then here he was at Bay Bridge with a gyroplane and a gyro CFI rating. What's with that? (See gyro pic below.)



What's going on is that Mike's employer, Chesapeake Sport Pilot, has a contract with the Dept. of Justice's Aviation Technology Program to demonstrate cheap ways for local police forces to get aviation support. First, Justice thought that powered parachutes were the ticket. Then they discovered the limitations that wind places on PPC use. So they switched to the Sky Arrow (see below), a regular airplane with tandem seating, a pusher prop, and superb visibility. But airplanes are

too fast, so then they tried trikes, especially the new Revo. But even the Revo bounces in the afternoon thermals. So now the program has moved on to gyros. At each turn (not counting the PPC), Chesapeake Sport Pilot has become a dealer for the aircraft in question, bought one, and leased it to Justice. Mike is the instructor/demonstrator pilot. Local police departments come to Bay Bridge to check out the wares. Some buy. Tomball, Texas, an outer suburb of Houston, now has a gyro. See a local news video



about it at http://www.justnet.org/Pages/aviation_whats_new.aspxhttp://www.justnet.org/Pages/aviation_whats_new.aspx.

Mike can't teach you to fly a trike because the Revo is leased exclusively to Justice, and neither he nor Chesapeake Sport Pilot has another. Indeed, with the focus on gyros, that beautiful Revo now sits in the back of a hangar with its wing off.

As for the gyros, Chesapeake Sport Pilot is now a dealer for AutoGyro, a German manufacturer. See <http://www.chesapeake sportpilot.com/auto-gyro-sales.asp>.

Is a gyro a good fit for the mission? They can indeed fly both slow and fast, tolerate turbulence better than anything else, and offer superb visibility. And at \$80,000, they are far cheaper than a \$4 million helicopter. As a Justice video says, "It has been suggested that gyroplanes offer the potential to complete 90 percent of standard helicopter missions at 10 percent of the cost." That's probably true. But the non-flying obstacles are formidable. First, you can't buy a ready-to-fly new gyroplane in this country. The FAA excluded gyros from the Light Sport Aircraft rule. There was no ASTM consensus standard, there had been lots of gyro fatalities in the early 2000s, and there was no good safety data. That means that your police department will have to buy a kit. The good news on that front is that the AutoGyro can be assembled in 40-80 hours and, amazingly; still meet the 51 percent rule. Mike says that official FAA designation as a 51 percent kit is in the works, expected next fall. When I was there in May, three or four AutoGyro's were under construction in the hangar at Bay Bridge with a manufacturer's rep on hand to assist the new owners. Perhaps some of those newly-built gyros will be sold to police departments.

Here's the link to an excellent video about the program at Justice. <http://www.youtube.com/watch?v=xSqjUr0pgEA> With luck, trike and gyros will prove themselves to be actually useful to local police departments, and our manufacturers will prosper. On the other hand, all of this may turn out to have been a boondoggle. Stay tuned.

If you're interested in gyroplanes, I suggest you start with Greg Gremminger's articles. He's a



longtime gyro pilot, instructor, and dealer. He heads up the ASTM committee that's working on a gyro standard. See

<http://www.magnigyro.com/features/features.html>.

Cluster balloon flight at Harrison's Farm.

Gyros not your thing, but you're still looking for another way to aviate? Try cluster ballooning, kind of like Carl's house in the movie Up. Better yet, you could have seen it done at Harrison's Farm (8MD5). Harrison's is home base to our sister club in Maryland, the

Capital Area Light Flyers. Check out this story from AOPA online:

http://www.aopa.org/aircraft/articles/2011/110523cluster_balloon_lifts_off_in_maryland.html?WT.mc_id=110527epilot&WT.mc_sect=gan

Fly safe,
Steve

Boing! A Landing Safety Tip

FAA Notice Number: NOTC2677

When the airplane contacts the ground with a sharp impact it tends to bounce back into the air. The airplane does not bounce like a rubber ball. Instead, it rebounds into the air because the wing's angle of attack was abruptly increased, producing a sudden addition of lift.

The corrective action for a bounce is the same as for ballooning and depends on its severity. When it is slight, and there is no extreme change in the airplane's pitch attitude, a follow-up landing may be executed by applying power to cushion the next touchdown and smoothly adjusting the pitch to the correct landing attitude. When a bounce is severe, the safest procedure is to EXECUTE A GO-AROUND IMMEDIATELY.



The Volunteer Sign-up Sheet Is on the Website

Find out what you volunteered for!
Click *Volunteer Sign-up Sheet*
on the sidebar.

Meeting Minutes

May, 2011 Minutes

USUA Flying Club One

Saturday, May 7, 2011

Warrenton Airpark

Warrenton, VA

Selling 50/50 tickets before meeting

Call to Order

Vice president, Dick Martin called the meeting to order at 11:05 AM.

17 members present.

CONNECTIONS

Visitors & New Members

Terry Clooney, a GA pilot that also has done a little skydiving, wants to get into the Light Sport end, LSA members offered to help out.

Bob Rudnick found the club on the Internet, said he had some training in the past, and wants to start flying ultralights again.

Old members

Dick Martin said he flew down to Gordonsville, VA and was really impressed with the welcoming group of regulars that hang out all weekend, even have food for the visitors. Look for the article about the place in the May Newsletter. Dick also said that with getting a transponder for his LS plane he was getting some special instruction on SFRA procedures and found it quite complicated.

Jim Hill, Vice President of the Virginia Aviation Council said the recent Festival of Flight (a 2-day event at Suffolk, VA that the Council sponsors), was a great success and a lot of fun.

SERVICE PROVIDERS

Recap our standing list of service providers:

- Fixed wing instructor: **Chuck Tippet**
- Welder: **Tom Kotsch**
- A&P mechanic: **JD Ingram**

REGULAR REPORTS

Secretary: **Jim Heidish** reported that the April Minutes are in the May Club Newsletter and was approved as published.

Treasurer: **Jim Birnbaum** reported May Income: \$138.00, Expenses: \$76.10, The Flying Club 1 Checkbook Balance: \$2438.86.

President: **Steve Beste** was at his daughter's graduation, so VP **Dick Martin** reminded us that we have the special Memorial Service meeting on May 21 at 10 AM, where we pay respect to members that have passed. We will have a short meeting and cookout after. Also get ready for the Poker Run, meeting and cookout on June 11, with a course for fixed wing and a special one for the PPGs. Always plenty of fun so get ready and tell all your friends.

Safety and Training Director: Dave Riedel said to be sure to do a good pre-flight, and if you're just getting back flying after the long winter, do a good review of all the flight and safety procedures. Also take a look at the fields you fly in and out of, many have muddy ruts from spring rains.

Membership Director: Jim Birnbaum reported that paid-up membership is at 45 and also the proposal that membership renewals from July to the end of the year be a full \$20 was dropped and it will remain \$10 for anyone joining or renewing in the last 6 months of the year.

Warrenton Air Park Owner: Tom Richards-not at meeting

Clothing Sales: **Pete Bastien** - nothing special to report.

Old Business

A&P mechanic **JD Ingram** give a report on the Rotax School he attended at Lockwood Aviation in Sebring, Florida (He was sponsored by the Club). He said the excellent 2-day coarse was 50/50, classroom instruction and hands on. He disassembled and reassembled Rotax 912, 503 and 582 engines and got an in-depth understanding of all components from carburetors to electronics. He is now qualified to repair and maintain all the popular Rotax engines. He said the best place to get up-to-date information on your Rotax is online. Members with Rotax-powered aircraft can get in contact with JD for more information or help with maintenance and repairs.

New Business

Many of the members at the meeting expressed safety concerns with the Skydiving operation at the Airpark. Now that it has grown so large (two aircraft, each caring two tandem jumpers and with as many as 70 riders on a good day—that is two tandem jumpers and their plane every 15 minutes!), there is the potential for mid-air collisions with the big mix of aircraft. Questions were raised concerning the following: when are their radios are on the 122.9 frequency and when can we communicate with them? Why do they sometimes use a right hand pattern? Some members said when you get close to the landing pattern and don't see any traffic you will also need to bank at a high angle and look straight up in all directions, not easy to do for most paragliders or powered parachutes. You need to monitor the skydivers and their aircraft and time your approach just right! Our Safety Director, Dave Riedel is going to

talk to the skydivers about the Club's concerns.

MONTHLY PROGRAM – none.

50/50 Drawing: Winner **Jim Birmbaum** donated his winnings to the Club.

Cookout: everyone enjoyed the food prepared by **Bob Eaheart**. Thanks Bob!

Adjourn

Vice President Dick Martin adjourned the meeting at 11:45 A.M.

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

May, 2011 Minutes

USUA Flying Club One

Saturday, May 21, 2011

Warrenton Airpark

Warrenton, VA

Memorial Service

The memorial service is more than a time to honor those club members who have passed on.

It's a chance to learn about the early days of the club and what it was like to be flying in the heyday of Ultralight aviation. Tom Simmons was the presenter. He talked about the men and woman he knew and members filled in with the special times they had with some of the newer members who passed away. Tom's comments on how very blessed they were to have had the special gift of flying, a gift that only a very, very small percent of the world population geta to experience, was a touching tribute to all who have flown west.

Call to Order

Past President **Len Alt** called a short meeting to order at 10:30 AM.

18 members present.

Because this was the second meeting in May, I have only reported on new information.

Safety and Training Director Dave Riedel said that he talked with the Skydiving operation about radio procedures on the 122.9 frequency. He said the pilots were on 122.9 from take off until 2,000 ft. then switch to Air Traffic until the jump announcement, then momentarily back to 122.9 to announce “jumpers in the sky” then switch back to Air Traffic only to go back to 122.9 below 4,000 ft. or when Air Traffic releases them. They only have one radio, you can’t contact them unless they are on 122.9. So if you see their plane at a low altitude you maybe able to communicate. Keep you eyes on the sky for parachutes and the returning jump plane landing. Also be very alert when taking off and landing because Sky diving activity is happing about every 15 to 20 minutes.

Warrenton Air Park Owner: Tom Richards said that work on the hangars have stopped temporarily, and he is just starting to get ahead on the grass cutting with the help of Dave Riedel and other volunteers. New to the Airpark are two six-eeek old geese and soon to be added, 25 guinea hens that like to eat ticks. Also, he said that a volunteer cleaned his home (the so called club house), everything but the bathroom. So things are looking good!

Cookout: Dave Riedel was grill master and everyone enjoyed his great burgers!

Adjourn

*Past President **Len Alt** adjourned the meeting at 11A.M.*

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



Meeting Pics





ACTIVITIES

2011 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.

2011 Club Activities Schedule

Date	Activity	Location	Description
Thur, January 6th, 7:30PM	Club Meeting	CVHS	Standard Agenda
Thur, February 3rd, 7:30PM	Club Meeting	CVHS	Standard Agenda
Thur, March 3rd, 7:30PM	Club Meeting	CVHS	Standard Agenda
Sat, April 2nd 11AM	Club Meeting	WAP	Club meeting and cookout at Warrenton Airpark
Sat, May 7th, 11AM	Club Meeting	WAP	Club meeting and cookout at Warrenton Airpark (WAP)
Sat, May 21st • 10AM - Memorial ceremony • 11AM - Club meeting	Memorial and Club Meeting	WAP	Memorial ceremony and cookout at Warrenton Airpark (WAP)
Sat, June 11th • 7AM - PPG Poker Run • 8:30AM - Airplane & Trike Poker Run • 11AM - Club meeting	Club 1 Poker Run and Club Meeting	WAP	Club 1 Poker Run and Club Meeting at Warrenton Airpark (WAP)
Sat, July 9th, 11AM	Summer BBQ and Club Meeting	WAP	Monthly meeting and Summer BBQ at Warrenton Airpark (WAP)
Sat, August 6th, 11AM	Club Meeting	WAP	Monthly meeting and cookout at Warrenton Airpark (WAP)
Sat, September 10th, 11AM	Club Meeting	WAP	Monthly meeting and cookout at Warrenton Airpark (WAP)
Sat, September 17th or 24 th TBD	Club 1 Fly-out to Trikefest East at Shreveport North (62PA)	WAP	Club1 Fly-Out from Warrenton Airpark (WAP)
Sat, October 1st	Club 1 Fly-in and meeting	WAP	Monthly meeting, Club 1 Fall Fly-In and cookout at Warrenton Airpark (WAP)
Sat, October 29th	Club 1 Color Run Fly-Out	WAP	Club 1 Color Run Fly-Out at Warrenton Airpark (WAP)
Thur, November 3rd, 7:30PM	Club Meeting	CVHS	Standard Agenda
Sat, December 10th, 4:30PM	Club Meeting / Holiday Party	WAP Club House	Monthly meeting and Holiday Party at 4:30PM

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.”

Editing – Proposals, Technical, Advertising...

Since I am again working as a freelance editor, I’m looking to expand my client base. My largest client is LMI, based out of Tysons. For those who are familiar with this non-profit government contractor, you know their excellent reputation for well-edited documents.

Please contact me at:
Autumn Aceto
703-244-7349
alaceto@gmail.com

FOR SALE — Hurricane Ultralight always hanged at Warrenton Airpark. Good sails, low time Rotax 503, powerfin prop, aluminum fuel tank. \$5000
Woody Weaver. [540-786-8085](tel:540-786-8085) or woodyweaver@comcast.net.

FOR SALE — Partnership - Taylorcraft BC-12D (1946) - available. Aircraft is hanged 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](tel:703-568-3607)) [568-3607](tel:568-3607); 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

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 and will not receive the Newsletter or Membership Roster. New Members joining from 1 July through 30 September will be charged \$10.00. 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 USUA Flying Club 1, 8570 King Carter Street, Manassas, VA 20110.

Payment can also be made at the regular monthly meeting. Please include the 2010 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
USUA Flying Club 1,
Treasurer

FLYING CLUB 1 MEMBERSHIP APPLICATION – 2011

All members are encouraged to provide an e-mail address to the Club. It is our best means for fast communications with a large number of Club members in minimum time. We welcome you to USUA flying Club 1 and hope your membership will be rewarding to you in flying and fellowship.

*Name: _____ New _ Renewal _ Regular _ Family__ Membership

*Street or PO Box: _____

*City: _____ State _____ ZIP

*Telephone(H) _____ Telephone (W) _____

*Spouse's Name _____ *Name to go on your name tag: _____

Emergency Contact: Name: _____ Phone: _____

To Receive Your Newsletter By E-mail, Enter Your E-mail Address: _____

Check if you have No Email

*USUA Member: Yes ___ No ___ If yes, enter member number: _____ USUA Pilot: Yes ___ No ___

*UL Registration # _____ *Aircraft Liability Insurance _____

Type Aircraft Stored/Flown from Warrenton Air Park: _____

Other Ultralights (Owned or flown) _____

Flying Hours: Dual UL _____ Single UL _____ Conventional _____

*Club Activities or Services for Which You Volunteer _____

(NOTE: References to Ultralight aircraft above include Ultralight-type aircraft). Starred must be completed. Mail application to the Club 1 Treasurer, Jim Birnbaum, 8570 King Carter St., Manassas, VA 20110, accompanied by dues for regular (\$20) or Family (\$25) membership for a full year or \$10 and \$12 (Family) for the period 1 July through 30 September. Payments after 1 October should be for the full rate and the member will be credited with membership for the following calendar year.

NOTE: Information from this application will be included in the Club 1's membership roster intended for internal use only. (*Roster ___ E-mail ___ USMail ___ Name Tag ___).

To join USUA Flying Club #1, fill out *the above form and send to:*

Jim Birnbaum, Treasurer
8570 King Carter Street
Manassas, VA 20110-4888
USUA 1 Website: <http://usuaclub1.org/>

Check or Cash. We cannot accept credit cards.

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

USUA FLYING CLUB 1 GENERAL INFORMATION

The United States Ultralight Association's 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://usuaclub1.org>. Note the change in web site. Flying Club 1 now has an officially registered name on the internet.

MEETINGS are at 7:30 PM on the first Thursday of the month at locations announced in the Club newsletter and on the Club web site. (Times and days may vary. check the newsletter and/or the website.)

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/>”