



FROM THE LEFT SEAT Len Alt, President

Greetings. Hope you are enjoying the great early fall flying weather.



One Back, One Set to Go



October Morning Training

It was good to see these folks out flying on some of the several clear fall days at the beginning of the month.

Thanks to Jim Birnbaum for following up on the motion passed at our September meeting and purchasing and setting up a new gas grill to replace the two old, rusted out grills.

Some nominations have been received for our election of new club officers. The nominating committee (*Jim Birnbaum, Larry Walker, Jim Heidish*) will accept additional nominations at our November club meeting just before the vote. We have these critical Club Officer vacancies coming up this year:

- President – Steve Beste nominated
- Secretary – Jim Heidish nominated

I am pleased to announce that Autumn Aceto has agreed to accept the key position of Newsletter Editor. Jim Birnbaum has agreed to become our Membership Director in addition to his current duties as club Treasurer. Pete Bastien will be our Clothing Sales Rep. Thanks very much to Autumn, Jim, and Pete for stepping up to take on these critical and demanding tasks for our club.

Here is the nominating procedure specified by our club By-Laws:

ARTICLE X

- a. A nominating committee consisting of Club members at large will be formed at the September Club meeting. – Done.*
- b. Selections of the nominating committee will be published at the October meeting and in a recognized publication of the Club before the November meeting. – Done.*
- c. Nominations from the floor will be accepted prior to the election at the November meeting.*
- d. Elections of officers shall be accomplished at the November meeting of the Club prior to the expiration of the current terms of office.*
- e. Election to office requires a majority vote of members present.*

Please think about volunteering. For our club to continue to be successful it is essential that we get active participation from our members. Thanks.

If you have some photos for the club newsletter please send them to me. I would particularly like to get some fixed wing photos to include.

Our next club meeting will be held on Thursday, November 5th at Centreville High School in the library starting at 7:30 P.M. Hope to see you there.

Fly smart. Fly safe.

MEETING MINUTES

USUA Flying Club 1
Club Meeting
Saturday, October 3rd, 2009
Warrenton Airpark

New Members: Axel Charles-Messance

Officer's report:

- a. Secretary. Not present.
- b. Treasurer: Jim Birnbaum reported \$70.00 income and expenses of \$139.02 for the month of September. The current club balance is \$3333.88. Membership dues for 2010 are due now.
- c. Safety: Bob Jacobs discussed the recent PPC and Trike accidents involving motors going to unanticipated full power upon engine start. Members recalled other similar incidents involving PPG motors.
- d. Membership Director. Not present.
- e. Director at Large. Not present.

Old business:

- a. Warrenton Air Park. Tom gave an update on progress on the new hanger.
- b. Event schedule for 2010, we need volunteers.
- c. Len Alt reported that Senator Warner did not help resolve the Trike registration issue involving Andreas Weiss. Andreas said that the German ambassador may bring this issue up when he meets with Senator Warner.

New Business.

Jim Birnbaum motioned that up to \$300 be allocated to purchase a new gas grill. The motion was seconded and approved. Jim will investigate options and make the purchase.

J.D. Ingram won the 50/50 raffle.

Len Alt

Club 1 Safety Hangar

**Takeoffs Are Optional.
Landings Are Mandatory.**
By: Bob Jacobs

Light Aircraft in Heavy Air

During the last club meeting, Tom Richards mentioned that there are spots on the airfield where you can get in trouble on days when there is some wind. That got me to thinking about some incidents and advice I've encountered over the years. I started flying very light aircraft about four years ago. I figure the wing loading on my trike is about 6 pounds per square foot. (In the jet I used to fly, that number was about 100.) Needless to say, I've developed a whole new appreciation for knowing what the air is doing, since my trike flies more like a butterfly than the jet-powered brick I was used to. In my transition to this new type of flying, one of the best pieces of advice I got was to visualize the air flow ahead of me. We've all seen eddies generated when water flows around a rock in a river. The same thing happens when air is flowing over trees or hangars followed by open terrain, like a runway. If the wind is blowing hard enough, the horizontal wind eddies that result are called rotors. Rotors caused by wind flow over mountains can be violent. I lost a good friend who flew a Navy jet trainer into one. In our light-loaded aircraft, much less wind over much smaller obstacles can cause downdrafts and rotors that can be dangerous. Knowing how the air is moving close to the ground is a matter of knowing the general wind and then visualizing what the air will do as it moves over or around obstructing trees, hills, and structures. During the middle of the day, thermal action will compound the air movement. I suggest you make it a normal practice to visualize the predictable downdrafts, rotors, and thermals when operating near the ground, and don't let yourself be surprised.

In flying a trike, the best way to stay out of trouble when landing near obstructions or with

thermals around is to accelerate into the flare. This technique should work for light-weight 3-axis aircraft too. When descending to land, at about 75 ft above the ground, I pull the control bar in which dips the nose and immediately adds 5-7 kts to my 50 kt speed. This is followed by a normal round-out and flare. In addition to having extra stall margin, the additional speed adds control and go-around responsiveness, and punches cleanly through any disturbed air near the ground. It is a good idea to do this regardless of expected conditions; a lesson I learned at Sky Bryce in the western Shenandoah Valley. The Sky Bryce airport is in a bowl. I merrily approached to land in what I thought were no wind conditions, and experienced a really ugly landing. (There is a windsock, you just need to know where to look!) The only thing that kept me from damaging the aircraft was the fact I had initiated a go-around several seconds prior to hitting the ground. As I reconstructed what happened, it became clear that despite the general no-wind conditions elsewhere, in that bowl there was at least 10 kts of air flow coming over the trees lining the runway, pushing an unsuspecting pilot into the ground. The bowl was generating its own air flows because of thermals elsewhere in the bowl.

When flying around Warrenton Air Park, be aware of air flows over the trees at the departure end of runway 04. A wind from that direction will have a downward vector after clearing the trees, which can threaten an aircraft taking off from 04 with marginal climb capability. Also, crosswinds from trees near the landing points of 04, 22, and 33 (both of them) can cause "sinkers," which have led to hard landings. PPG folks need to be especially aware of low level air movement around obstructions, as illustrated by the recent incident where a PPG pilot landed in the roof of the southern hangar.

Visualizing the air flows is one of the defensive flying techniques I've been emphasizing in the newsletter. It's just good piloting. Make it part of your flying routine.

ACTIVITIES

2009 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 2009 schedule. Changes in time or location will be posted in this newsletter and on the Club website.

2009 Club Activities Schedule

Nov 5, Thu	Monthly Meeting, CHS
Dec 12, Sat	Monthly Meeting & Holiday Party, WAP (Club House)

CLASSIFIEDS

Ads will be run twice and then dropped unless resubmitted, or renewed by telephone or e-mail. Please advise the editor when the ad is no longer needed.

FOR SALE — Sonex Aircraft Kit.

(See website at www.sonexair.com) with some components completed (vertical and horizontal tail, ailerons, fuselage, etc.). Approximately 20% complete with mostly assembly remaining (finished making most of the needed parts from raw metal). Willing to consider all offers including joint effort in return for equity (e.g. 1/2 ownership). Kit is presently located in Davis, WV, but I reside in Washington, DC area. Outright purchase price is negotiable.

Contact: Phil Hyland
202-870-4672

FOR SALE — Lincoln Electric Tig 185 Welder. \$1500

The Lincoln Electric Precision 185 is a very capable TIG welder that can provide between 5-185 amps of welding arc allowing you to weld very thin metals to more than 1/4" steel. It can weld mild steel, aluminum, chromoly and more. I have been using this welder for the last three years and it has served me

well. Requires 3-phase 220VAC circuit.
Contact: Tom Kotsch
540-359-5627
Read more on their website: <http://www.tig185.com/product/> (02/09)

FOR SALE — Avid Flyer “C” Model.

Aircraft currently in dry storage
\$20,000
Contact: Mike Fisher
h/o: 434-296-8485
c: 434-989-0778
heardsmtn06@hughes.net (11/08)

FOR SALE — 1999 Sixchuter SR7XL PPC.

Rotax 582 UL DCD1 model 99
APCO 500 Chute
40 hrs.total time airframe and powerplant
Always closed trailered
N numbered, airworthiness cert. Sept.08 annual
2000 Shadow Master trailer,radios,helmets,spare parts,
ground equipment and more.
Runs great, ready to go.
\$7000 or best offer
Contact: Mike Blackwell
703-217-1609
Mikesflight@aol.com (10/08)

FOR SALE — Quicksilver MX Sprint.

New 2005, TT 175 hrs.
Rotax 447
steerable nose wheel
EIS instrument, shoulder harness
hangar stored
wheel pants
excellent condition
Warrenton Air Park
\$7800
Contact: Dick Walker
202-363-4546 (10/08)

TRAINING -- Powered paragliding instruction, motor and wing sales.

I will be based out of Jerry Starbuck's hanger space.
Inquiries: Michael O'Daniel

540-270-8855
onegooddoc@starpower.net
poweredparaglidingusa.com (04/08)

FOR SALE -- Brand new and unused Blackhawk one-piece flying suit in red and black. Size Medium. **\$40.**

Inquiries: Bob Bell
(W) 540-351-1081 or (C) 703-943-7129
cedarfield540@juno.com (12/07)

Membership Due's 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 will 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 2009 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 - 2010

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 Warenton 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, goto <http://www.usua.org/>

USUA FLYING CLUB 1 GENERAL INFORMATION

The United States Ultralight Association's Flying Club 1 is a non-profit, recreational club dedicated to the sport of ultralight and light sport aircraft flying.

2007-2008 CLUB OFFICERS, DIRECTORS & STAFF

President Len Alt*	703-467-0586
Vice President Ami Abramson+	703-366-3717
Secretary Jim Hill*	540-659-8366
Treasurer Jim Birnbaum+	703-361-7478
Past President Dave Riedel	703-815-4924
Dir, Safety & Tng Bob Jacobs	703-321-0225
Dir, Membership Phil Williams	703-361-3320
Dir At Large Jerry Starbuck	301-928-8755
Dir at Large Larry Walker	540-347-7609
Club Artist Jim Heidish	703-524-5265
Events Coord.	
Librarian Dick Walker	202-363-4546
Newsletter Editor Kim Alt	703-655-4137
	e-mail:
kim.alt@gmail.com	
Web Master Greg Palmer	703-912-3774
PPG Web POC Par Karandikar	703-201-8909
Terms of office: +2009-10 *2008-09	

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 web site.)

SUBMITTING ITEMS FOR THE NEWSLETTER Members and non-members are encouraged to submit items for this newsletter. Send submissions to Kim Alt, 13102 Mares Neck Lane, Herndon, VA 20171. E-mail is shown at left. Deadline for entry of items into the newsletter is 10 days before each meeting.

Ads will run twice and then dropped unless resubmitted or renewed by phone or email. Advise editor when item is sold.

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 wek-end activities.

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.

To join USUA Flying Club #1, fill out the forms on the previous page. To join the national USUA, fill out the form below:

_____ **\$30.00** U.S. Ultralight Association annual membership does not include magazine subscriptions. All publications are optional, and are available to USUA members at the discounted prices below. A current USUA membership is required to take advantage of these discounts. Subscribe to your chice when you renew your membership.

Ultralight Magazine - \$24.95
Light Sport and Ultralight Flying - \$34.95
KITPLANES Magazine - \$19.95
Air & Space - \$19.00

_____ **Enclosed is \$2.00 for work in ultralight safety by USUA.**

(Canadian and non-US membership add \$5.00)

Name: _____

Address: _____

City: _____ **State** _____ **Zip** _____

Phone _____ **Date of Birth** _____

Enclosed is my Check _____ **Money Order** _____
Visa _____ **Mastercard** _____

United States Ultralight Association
104 Carlisle Street
Gettysburg, PA 17325