



# R.U.F.F. Times

The Official Newsletter of the  
Rochester Ultralight Fun Flyers  
EAA UL Chapter 95  
May 2009



## RUFF Members Meeting

**SATURDAY, 30 May, 10:00 a.m.**

**Where:** Spencerport Airpark, D91. N43° 10.28', W77° 49.00'

**RUFF Plans:** Decide who is helping with the RUFF Display at Rochester Wings Aviation Expo on 5, 6 June (vide infra). Can we have one of our aircraft on display?

**Before Meeting Breakfast:** 9:00 a.m.: There is a nice Diner in Spencerport called **Slayton's**. All who are interested in a pre-meeting breakfast are invited to meet there.

## RUFF Recommended Flying Events

May 25	Redun	Fly-in Breakfast	sponsored by Redun Flying Club
May 24	Weedsport	Fly-in Breakfast	
Jun 12-14	Dart	Aviation weekend fly in	<b>Yes, they are still doing it!</b> www.dartairport.com
Jun TBD	Marcellus	Pancake Breakfast	Turf, 2200 ft long, N43° 1.72' W76° 20.72'
Jun 17-20	Lock Haven	Piper Fly-in	located in Pa.

## RUFF Lilac Parade

Saturday, 9 May, was the annual Lilac Festival Parade. Steve Zigelstein's Plane-Train represented EAA in the parade, with Dan Burrell and Norm Groves carrying the EAA Banner. Ellen Burrell and Erin Carey (Dan & Ellen's Daughter) marched & waved in the parade with us. Erin's children, Declan and Bridget, skillfully piloted train-planes with a bit of instruction from Gramps (who hasn't soloed yet!). And thanks also to Jerry and Judy for helping with the set up that morning. In addition to a good time, we got some good press for EAA, Ch. 44, and Ruff!



## ***Pilot Attitudes and Decision Making***

At the April Member's Meeting, Dr. Dan Burrell gave a talk on pilot decision making and pilot attitudes that influence decision making. It was more than just a talk on safety. It is something the FAA takes seriously and includes in the Sport Pilot written examination. Below are some practice questions taken from the published question pool. Answers are at the end of the newsletter.

1. A series of judgmental errors which can lead to a human factors-related accident is sometimes referred to as the?  
(A) error chain.  
(B) course of action.  
(C) DECIDE model.
2. What are some of the hazardous attitudes dealt with in Aeronautical Decision Making (ADM)?  
(A) Risk management, stress management, and risk elements.  
(B) Poor decision making, situational awareness, and judgment.  
(C) Antiauthority (don't tell me), impulsivity (do something quickly without thinking), macho (I can do it).
3. What is the first step in neutralizing a hazardous attitude in the ADM process?  
(A) Dealing with improper judgment.  
(B) Recognition of hazardous thoughts.  
(C) Recognition of invulnerability in the situation.
4. When a pilot recognizes a hazardous thought, he or she then should correct it by stating the corresponding antidote. Which of the following is the antidote for ANTIAUTHORITY?  
(A) It won't happen to me. It could happen to me.  
(B) Not so fast. Think first.  
(C) Don't tell me. Follow the rules. They are usually right.

### **• *RUFF at Rochester Wings Aviation Expo, June 5 & 6* •**



***"Everything Inside the Fence at Rochester WINGS 2009!"***

**Topic:** Runway Safety, Saturday, June 6, 2009 at 10:00 AM

**Location:** New York Army National Guard, 76 Patriot Way

#### **SCHEDULE**

##### **FRIDAY, June 5th**

9:00 AM - 5:00 PM

IA Refresher Clinic

Renew your inspection authorization at WINGS 2009!

11:00 AM - 5:00 PM

Exhibits open to the public

Lunch 11 AM - 2PM

7:00 PM - 9:00 PM

Friday night "Top Off" at Radisson Airport Hotel

Open Beer / Wine Bar from 7 PM to.

Aviation Videos.

Exhibitors on hand to talk about their wares.

##### **SATURDAY, June 6th - MAIN EVENT DAY !!!**

7:00 AM - 10:00 AM Fly-In / Drive-In Breakfast  
 Rain or Shine! Get a hearty start to the day with a hot, filling Pancake Breakfast prepared by the Civil Air Patrol. Proceeds support the CAP Cadet Program for kids ages 12 to 18!

8:30 AM - 5:00 PM Exhibits open to the public!  
 Seminars open to the public!  
 Airport tours open to the public!  
 Aircraft Displays open to the public!

To view further details and registration information for this event, click here:

[http://www.faa.gov/SPANS/event\\_details.aspx?eid=25393](http://www.faa.gov/SPANS/event_details.aspx?eid=25393)

The sponsor for this event is:

FAA Safety Team, NYARNG, FSDO-23, Rochester Tower, ROC Airport

***Autogyro of the 21st Century***  
***or***  
***It Ain't Your Father's Benson***  
 by Robert Schenberger

This is super impressive. I've always had a soft spot in my heart for autogyros as they would be ideal for my land search activities. By coincidence, two days ago I again looked into autogyros, sparked by the article on page 36 of a recent issue of EAA Sport Pilot. The Xenon looks super impressive. There are several clips of it in flight on U-tube. Autogyros, as originally developed in Spain by Juan de la Cierva in the 20's, were tractor models and were **extremely safe**. They were further developed in the US by Pitcairn in the 30's. About this time helicopters came along and with their ability to rise straight up, eclipsing the autogyro.

In recent years autogyros have suffered a bad reputation for a high accident rate, many fatal. These were mostly pusher models. The problem is that the thrust line of the prop is above the center of gravity of the craft, thus being susceptible to PIO (pilot induced oscillation) which is difficult to recover from. The higher thrust line over the cg tended to push the vehicle over unless the pilot was very careful. It was found that adding a horizontal tail surface greatly alleviated the problem. This is what the Xenon has, as do most of the models mentioned in the Sport Pilot article. The Benson model, developed some years ago for amateurs, didn't have this feature. The earlier tractor models had the thrust line lined up with the cg. This type of aircraft is ideal for the type of flying most of us want to do.



As I watched the film clip on Carter Aviation's web page (<http://www.cartercopters.com>), I wondered why the short stubby wings? And how about that landing gear!?! Carter Aviation Technologies is a research and development company, pioneering new aviation concepts. Their primary focus is the slowed-rotor compound aircraft, a vertical takeoff and landing aircraft that uses the rotor for takeoff and landing, and a small, efficient wing for high speed flight, up to 500 mph, all with much less complexity than a tilt-rotor or other vectored thrust vehicle. They successfully demonstrated the slowed rotor concept with the CarterCopter Technology Demonstrator (CCTD).

## *A Good Deal on Aircraft Metal*

by Stephen Zigelstein

I have negotiated with a raw materials metal supplier locally (Metal Supermarket) for an EAA discount 15%. The account is a C.O.D account and to get the discount you need to mention when placing your order by phone or in person that you are with the EAA. The link to the site for contact information and directions is below.

They can supply any type of raw metal (4130,6061,ect)in cut lengths down to the inch or by the square foot. You only pay for the material you need and don't have to buy in long lengths.

<http://data.gointranet.com/cgi-bin/unitloc/metal/locator.cgi?cpage=main.html&cu=rochester&cl=Rochester>



• *Trade Winds* •

### **The "Engine Information System"**

If any of you aircraft builders are considering using the EIS system from Grand Rapids Technologies in your plane, contact me as I can get a better price since I am a dealer. This way you can save a few bucks. The EIS is a valuable instrument to have because it measures the battery voltage, engine rpm, exhaust gas temp., cylinder head temp., water temp, outside air temp., engine hours (Hobbs meter), flight time, and also has extra inputs that you can use to your liking. All of these measurements have upper and lower limits that you set and if any of these limits are exceeded, a warning light flashes and the screen indicates the problem area. This is probably the most valuable function of the unit. Basic units for most aircraft run about \$500.

George Charnitski.



### **KOLB FIRESTAR II + KOLB TRL. • \$12,950 • **FLY RIGHT NOW****

• N-numbered, ELSA certified, excellent condition- always hangared, Stits covered-yellow with red trim,159 hrs. On Rotax dual carb 503, B box, three blade IVO prop, Engine Information System, pull or electric start, Kuntzleman "Hot Box", BRS-750, hydraulic brakes, 12 gal. fuel, large tires, enclosed and open canopies, stream-line struts, wing tip strobes, 4-pt. harness, ceramic covered exhaust and muffler, cage and tube powder coated. • Contact [Robert](#)

[M. Erb](#), Owner - located Honeoye Falls, NY USA • Telephone: 585-746-5535 . 585-624-2789 • Posted March 24, 2009

### **TIGER CUB • \$14,000 • **FOR SALE****

• Tiger Cub. Rotax 503. Polyfiber covering. Polyurethane paint. Always hangared. • Contact [Mark Russell](#), Owner - located Lima, NY USA • Telephone: 585 624-4798 • Posted March 25, 2009

BQR)  
apmechanix@gmail.com

Answers: 1 A, 2 C, 3 B, 4 C