

**MARCH 2007**

Volume 34  
Issue 3

[www.eea43.com](http://www.eea43.com)

**IN THIS ISSUE:**

February Minutes  
Page 2

First Colorado  
Fly-in  
Page 3

For Rent/For Sale  
Page 4

Yelich Book  
Donation  
Page 4

E.I. Update  
Page 5

Membership form  
Page 7

Contact the  
editor:  
Dave Biesemeier at  
**720-480-5825** or by  
email at:  
**dbiesemeier@  
comcast.net**



**EAA MILE HIGH CHAPTER 43**

*Founded May 1958*

# **MILE HIGH FLYER**

*The Official Monthly Newsletter of EAA Chapter 43*

## **PAID YOUR DUES YET?**

If your newsletter label has a "6" in the upper right hand corner, you haven't paid your 2007 dues. Be certain to maintain your membership in good standing in order to continue receiving all of the benefits our fine Chapter has to offer. The membership form is included in this newsletter and is also available at our web site at [www.eea43.com](http://www.eea43.com).

**Dues are \$20 per year - sorry no credit cards - cash or checks only. Mail to our treasurer whose address appears on the bottom of the form, or pay in person at the next meeting.**

This is the last time this year that the membership form will appear in the newsletter. It will still be maintained on the web site.

## **Ricky Domenico's RV-9A Project**

Building of my RV-9A kit with quick-build fuselage & wing started 28 month's ago. It will be powered by a Lycoming O-320 with a Sensenich fixed propeller, the panel has a Blue Mountain EFIS Lite G3, an Advance Flight System Engine Monitor, and a Garmin SL40 Dual Flip-Flop Radio. The panel was built by Kit-Panels, LLC. The project is being built in my hangar at Jeffco (Rockie Mountain Metropolitan Airport).

I'm hoping to fly it this summer. I would like to especially thank my building coach and fellow RV-9A builder Dick Watson, and my technical counselor Pat Claar, and all the members of Chapter 43 for their support.

*Ricky*

**MARCH MEETING - MARCH 10, 2007, 7:00 PM**

Jefferson County/Rocky Mountain Metropolitan Airport Terminal Building,  
Mount Evans Room (upstairs). Program - Surprise!

## Minutes of EAA Chapter 43, February, 10 2007

Our president, *Roger Newman*, called the business meeting to order at 7:02PM.

- ◆ The minutes of the January meeting were approved, seconded and carried.
- ◆ **Visitors:** *Myles Lee* of Arvada. *Chris Dillis* of Denver. *John Schmitz*.  
*Chris Dillis* gave a brief on a new Sport Pilot Flight Center at Erie Airport. They use a Evektor SportStar Light Sport Aircraft. For further information, contact Chris at 303-929-4265 or the Web site at [www.skyraideraviation.com](http://www.skyraideraviation.com).
- ◆ **Treasurer's Report:** Our treasurer, *Lynn Miller*, reported our chapter expenditures, income, and the status of our CD's. Also mentioned that our dues are not tax deductible, but any donations made to the chapter to advance one of our programs, like EAA camp, is tax deductible.
- ◆ **Safety Report:** Our safety officer, *John Evens*, shared about helicopter rotor wash. Be careful around choppers that are running on the ground or hovering close to the ground. Rotor wash or wingtip vortices can flip a fixed wing aircraft that gets too close and did so to a T-18 in Compton, CA and killed the pilot.  
*Michael Maya Charles*, a helicopter pilot, gave some tips on being around choppers.  
*Bob Wilson* cautioned that when flying the pattern at Longmont, that it is hard to see helicopters. Also there are skydivers that use the area.
- ◆ **Progress Reports:** *Scott Serani* reported that he is involved with disassembly of his RV-10 in preparation for painting.  
*Greg Hall* is putting brake lines in his Horizon 1 and should get his fuel tank back soon.  
*Georg Grell* reported that progress on his Skybolt was slow and will be in need of an engine at some time.  
*Carl Harris* said his RV-7 was inspected by *Terry Edwards* and got the airworthiness certificate on it.  
*Herb Beckman* had a RV-6 T-shirt for sale.  
Dave Johnson's wife got her first ride in a RV-6A.
- ◆ **Old Business:** none reported.
- ◆ **New Business:** *Adam Kreutzer* (*Ron Denight* grandson) was nominated to go to EAA Camp this year. The motion was seconded and carried by those members present. *Robert Upchurch* reported that his daughter, *Stephanie*, that was also to be sponsored to camp had to decline. She decided that her school studies should take priority over the trip.  
*Michael Maya Charles* reported that ducks (mostly Northern Shovelers) were dying at a Metro Wastewater Reclamation plant in north Denver.

Minutes continued on Page 6.

## THE FIRST COLORADO FLY-IN

A couple of years ago, I promised Bob Taylor that I would do my best to start an AAA Chapter in the Colorado area. In November 1962, a meeting was held in Denver at which 53 persons appeared. The first monthly meeting was begun in February 1963 and since then, an average of 35 persons have attended. Through this activity, a slate of officers was elected and plans for an active chapter were formulated. This move was culminated on the 12th and 13th of October, 1963.

The eventful weekend began on a Saturday night at George Keelen's Old South Restaurant. A small bar was set for the social hour and was ably manned by Ruth and Eddie Drapela. Fifty-nine members and guests were served a superb steak dinner prior to Bob Taylor presenting Ken Moe with the official AAA Charter for the Colorado Chapter. Many old friendships were renewed and several new ones formed during the festivities that saw Ed Bowman being hazed about the weather for the following day. Ed is a local Denver radio and TV weather procrastinator. National Director Jack Lowe was also in the group.

A set of AAA Coffee Mugs was awarded to Tom Daskam who distinguished himself by flying his Taylorcraft to the Annual Fly-In. Nothing, you say - it was his first solo cross-country flight. Another prize, a toy fire truck, was awarded to Ed Bowman. He was properly recognized at Ottumwa as the "World's Greatest Ryan Builder" and at the dinner was given the fire truck "for burning so much time and money". This is all in regards to his two-year job in rebuilding his STA, which he did not complete for the Fly-In either. Late hours were not kept, due to the big day yet to come, but the dinner and program were a great kick-off for the new AAA Chapter.

Sunday, 13 October dawned clear and bright with the temperature forecast to be in the high 70's. I flew Eddie Drapela's DC-3, loaded with CAP cadets, to Skyline Airport. This is a new Airport and its owner, Jeff Drohan, was presented his AAA membership that day by Bob Taylor. This Fly-In was held in conjunction with the Denver Chapter of the EAA. Many organizations helped with this big show. The CAP provided 20 cadets, the Air National Guard provided a crash crew and 2 pieces of equipment, all agencies of the FAA co-operated with all requests, dealers and suppliers provided displays, a troop of Boy Scouts policed the grounds, and County and State Police assisted with traffic and crowd control. Many prizes were donated and awarded to members of flying organizations.

Why was all this necessary? There has always been a poor acceptance of sport aviation in the Denver area so the EAA and AAA Chapters decided this might be one way to give people a good old fashioned air show and also help to publicize our organizations. Each point was well accomplished as there were an estimated 12,000 people and 119 airplanes at the airport. It was a FREE show and that is why we needed and got so much co-operation from each member and those who saw fit to contribute to our needs.

Let's get back to Sunday. Upon landing, I was met by Bob Taylor. He was ready to help in any way and here I thought he was going to be our guest. The usual preparations and mix-up in signals occurred, but I guess the whole thing really started about 10 a.m. when an, as yet unidentified skywriter spelled out "Hi EAA AAA" in our clear Colorado sky. (This was Bill Skipper in a PA-12 - ed.) The Traffic had really started to roll in and it looked like a good start for our first Fly-In.

A few of these "radio only" pilots got mixed up on the uncontrolled field but nothing as thrilling as the Howard that tried twice to make a cross-wind landing and later got the "Greatest Gambler" award, a fire extinguisher and a survival kit. The FAA and CAB representatives earned their pay that day.

## HANGAR FOR RENT - ERIE (KEIK)

Share hangar @ Tri-County with a '46 J-3 Cub. Mine, for those not familiar, is a cloth, 36' wingspan high wing. Best fits would be small home-built low wing, but will consider anything that won't cause "Hangar Rash" to either craft. Approximately \$110.00/month. T-hangar, building C, facing east, which is the best spot for sunshine. Separate "Man Door."

Call John Barrett: 303-905-9441 (Cell) e-mail at: [john.barrett@lwbarrett.com](mailto:john.barrett@lwbarrett.com)

## FOR SALE

Bendix magnetos, S4LN-20 (right side), S4LN-21 (with impulse coupling). Will sell for less than core price: \$150 for -20 (Rt. mag), \$200 for -21 (left with impulse). Harness with left mag. only. Also, Electromotive electronic ignition system, complete with sensor drive and vacuum advance, \$400. Call Dave Bieseimeier 720-480-5825 or e-mail at [dbieseimeier@comcast.net](mailto:dbieseimeier@comcast.net).

## STAN SPECT UPDATE

For those of you keeping track, here is the latest e-mail from Stan.

Hi Dave-

No time for an article, but many adventures. I'm on a stopover in Auckland, NZ, on my way between the Cook Islands and Sydney. Got in some great snorkeling in the Cook Islands, where the "Survivor-Cook Islands" was filmed last fall. Be home about March 11th. My best to you and all the gang.

Kitfox Stan

## Joanne Yelich Book Donation

Joanne Yelich has generously donated to Chapter 43 the reference books that Mark had used to maintain and modify his Mark's Mixture biplane. Dave Bieseimeier will bring the books to the March meeting and we can discuss how to manage the loaning of these books and other library materials to chapter members. The books are listed as follows:

- ◆ 1. **"Speed With Economy"** *Experimental Aircraft Performance Improvement* by Kent Paser.
- ◆ 2. **"Sportplane Construction Techniques"** *A Builders Handbook* by Tony Bengelis.
- ◆ 3. **"The Sportplane Builder"** *Aircraft Construction Methods* by Tony Bengelis.
- ◆ 4. **"Firewall Forward"** *Engine Installation Methods* by Tony Bengelis.
- ◆ 5. **"Tony Bengelis on Engines"** by Tony Bengelis.
- ◆ 6. **"21 Years of the RV-ator"** *The Best of Van's Aircraft Newsletter" 1980- 2000.*
- ◆ 7. **"The Aeroelectric Connection"** *Information Service and Guide to Theory, Operation, Design and Fabrication of Aircraft Electrical Systems* by Bob Nuckolls.

Speaking for Chapter 43, thank you Joanne for thinking of us and making this generous donation! They will be put to good use!

## ELECTRONIC IGNITION - REVISITED

by Dave Bieseimer

AFTER having operated electronic ignition (E.I.) on my Sidewinder for 15 years and nearly a thousand hours, It might be a good time to reflect on how this system has performed. While running one electronic ignition and one magneto is a compromise, I was able to get consistently improved fuel economy of about a half gallon per hour over the stock dual magneto set-up. I was only able to detect a slight if any performance increase. I have been keeping close tabs on a fairly new company - EMagair, that has been developing an all-in-one package electronic ignition, power source and drive unit that resembles a magneto. They had the usual teething problems over the years in "beta testing" their ignitions, but seem to have overcome the obstacles to the point that they are considering FAA certification. Several custom engine builders now offer their EMags as an option. They refer to both versions of their units in general terms as Emags.

Being an addictive gadget junkie, I decided the time was right, as my remaining Bendix mag could use an overhaul, and my single electronic ignition was less than optimal, at least in my mind - I wanted matched timing advance curves on both ignitions. I ordered a set from Emagair which are configured as incorporating internal backup power (an alternator) called "Pmag", which I installed on the left side, and the standard non-alternator unit called "Emag" installed on the right side. Both normally run on aircraft power. The back-up alternator is a \$250 option and can be installed on both sides. You can choose between an aircraft ignition harness with aviation spark plugs or automotive harness and plugs, which I opted for, as I had good luck with that set-up on my previous E.I. I have them installed and ground tested and awaiting fair weather for flight testing. Starting is better than with my single E.I. and the engine runs very smooth. I'll provide an update on testing in a future issue.

For an extensive and objective comparison test of stock dual magnetos, single electronic ignition coupled with a single magneto, and dual electronic ignitions, visit the CAFE Foundation Web site at: <http://cafefoundation.org>. and click on the section marked "Research & reports". There are three separate multi-page reports on their findings and conclusions, complete with enough charts and graphs to satisfy most NASA engineers, titled *Ignition Dynamics I, II, & III*.

Please support the businesses below to thank them for sponsoring our newsletter!

Dine In		Take Out
Daily Specials		Mon-Sat 7am-3pm Sun 7am-2 pm
Phone (970) 338-3020 FAX (970) 252-8347		
Linda Belleau, Owner Located At The Greeley/Weld County Airport. We Sell Bison Meat By The Pound or Bulk E-Mail <a href="mailto:JLBELLEAU@AOL.COM">JLBELLEAU@AOL.COM</a>		

Lonnie Hilkemeier 303-665-3267 
lonnie@specialtyflight.com President, Master/Gold Seal CFI, MEI FAA Aviation Safety Council of Mountain Flight Proficiency

Minutes, continued from page 2.

The Greenwood Wildlife Rehabilitation Sanctuary in Boulder was caring for many of the ducks. The ducks were losing their waterproofing. He asked if anyone knew of a large plane to fly the ducks to Sacramento to heal.

- ◆ **Young Eagles:** *Brian Cabebe* announced a Young Eagles Rally for Feb. 19 at 9 AM at Erie. The *Stephanie Wells'* Boy Scout troop would need 5-6 pilots. Volunteers would also be needed for a late April or May rally for Legacy High School and for the 3 day Rocky Mountain Regional.

*Jim Cimiluca* reported all the great events going on at the Rocky Mountain Regional this year. The 3 day event at Front Range Airport will include a Barnstormer's ball, Awards Dinner, Ceremony honoring our Veterans, Pancake breakfast, building workshops and forums, safety seminars, Front Range Air Show, aircraft on parade, many vendors, aircraft judging, Kidspace Young Eagles and food booths.

*Roger Newman* brought up to the membership some ideas for future meetings. The second part of our meeting will be for other ideas. There was also a survey passed around for interest level for different formats.

*Joe Jones* shared about his work with the Veterans Organization. He also shared about a unique pilot, *Barrington Irving*. He was born in Kingston Jamaica and raised in inner city Miami. Now a student at Florida Memorial University majoring in aerospace. He has plans to fly around the world in a Columbia 400 for a 5-week historic flight to inspire other young people to resist the negative influences of the streets and work toward their dreams. He founded a nonprofit organization, Experience Aviation, Inc., to address the shortage of youth pursuing careers in aviation and aerospace. He has plans to land his plane on June 24<sup>th</sup> at Front Range.

*Roger Newman* asked for any interest for a personalized license plate for EAA.

- ◆ **Lifetime Membership Award** *Roger Newman* presented a Lifetime Membership plaque to *Herrill Davenport* for his many services during his membership with Chapter 43.

*Mary Mitchell* and *Steve Beach* suggested going to Abo's Pizza after the meeting

The motion to adjourn the business meeting was made by *Dean Cochran* at 8:07 PM.

The second half of the meeting convened at 8:30 PM.

*Lynn Miller* announced that a donations jar would be at the next meeting for any donation that can be used for Young Eagles or similar cause.

Discussion was then opened up to anyone that had any ideas the chapter could use to interest the membership and others. The following ideas were mentioned: class for wiring magnetos, electronic ignitions, 5-minutes talks at meetings on various subjects, Café 43 fly-ins or fly-outs, welding and riveting classes, project visits.

*Roger Newman* asked the membership if anyone would take passengers for flights in their planes. Those offering were *Lynn Miller* at 303-666-8233 and *Bob Wilson* at 303-682-1857 (200# max weight).

**2007 Membership Information**

**(Needed for 2007 Roster & Chapter documents, mailing info at bottom)**

**(Even if nothing has changed from last year, please fill out, and we particularly need EAA # and Renewal date.)**

**DATE:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Spouse:** \_\_\_\_\_

**Street:** \_\_\_\_\_

**National EAA Membership #:** \_\_\_\_\_

**City, State, Zip:** \_\_\_\_\_

**Membership Renewal Date:** \_\_\_\_\_

**Home Phone:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

**\*\*E-Mail Address:** \_\_\_\_\_

**\*\*We can now send you our monthly newsletter on E-Mail. It will come to you in a form that has a brief message and a link to our website, where you can then bring the newsletter up in color in PDF form. We also send out periodic news items by e-mail. The newsletter will be sent to you automatically this way, if you have an E-mail address.**

**If you prefer to receive the newsletter by Snail Mail, check here.** \_\_\_\_\_

**IRCRAFT INFORMATION:**

Note: Category - Standard, Experimental, Ultralight, WarBird, etc.

Status: ----Built, Building, Restoring, Considering, etc

<u>Make, Model</u>	<u>Category</u>	<u>Since (Yr)</u>	<u>Status</u>	<u>Based At</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**HOW WOULD YOU LIKE TO BE INVOLVED DURING 2007 ?**

**Would you?**

Run for a Chapter Officer Post For 2007? -----Yes \_\_\_ No \_\_\_

Arrange, Or Be, The Program For One Of Our Meetings?----- Yes \_\_\_ No \_\_\_

Host A Chapter Meeting At Your Project?----- Yes \_\_\_ No \_\_\_

Volunteer To Serve On the Rocky Mountain Regional Fly-In  
Planning Committee? -----Yes \_\_\_ No \_\_\_

Volunteer For The 29th (2007) Annual Rocky Mountain EAA  
Regional fly-In?----- Yes \_\_\_ No \_\_\_

Participate in Young Eagles functions, either as pilot  
or volunteer?----- Pilot Yes \_\_\_ No \_\_\_

Volunteer Yes \_\_\_ No \_\_\_

\*\*\*\*\*

**Annual Dues for 2007 are \$20.00. Please make check payable to EAA Chapter 43, C/O Lynn Miller, 3015 Piper Drive South, Erie, CO 80516 (Phone 303-666-8233) E-Mail: miller967@aol.com**

# EAA Mile High Chapter 43

### Chapter Officers

President	Roger Newman	303-280-9140
Vice President	Greg Hall	303-424-4216
Vice President	Stan Specht	303-232-8474
Secretary	Bob Young	303-466-6902
Treasurer	Lynn Miller	303-666-8233

### Volunteer Officers

Technical Counselor	Bob Green	303-659-5829
Technical Counselor	Dave Biesemeier	720-480-5825
Technical Counselor	Pat Claar	303-424-0170
Flight Advisor	Bill Mitchell	303-940-3530
Flight Advisor	Mike Gugeler	720-890-0552
Newsletter Editor	Dave Biesemeier	720-480-5825
Young Eagles Coord	Brian Cabebe	303-657-5649
Member Data Base Ed.	Gene Horsman	303-279-5782
Web Master	Bruce Handley	303-494-5412
Safety Officer	John Evens	303-420-2724
Refreshments	John & Roxie Juul	303-466-2600

Disclaimer: Be aware that as always, in past, present, and future, any communications issued by Experimental Aircraft Association Chapter 43, regardless of format, and/or media used, which includes, but is not limited to, this newsletter and audio/visual recordings, is presented only in the context of a clearing house of ideas, opinion, and personal experience accounts. Anyone using ideas, opinions, information, etc., does so at their own risk. Therefore, no liability is expressed or implied by the Experimental Aircraft Association Chapter 43, or any of its members. Any event announced and/or listed herein, except as noted, is done as a matter of information and does not constitute approval, sponsorship, control, or endorsement of said event.

This newsletter is published by Chapter 43 of the Experimental Aircraft Association for the use, education, and enjoyment of the members and others to whom it is provided. No claim is made for technical accuracy of material presented. Editorial content is the opinion of the contributor and does not reflect the position of Chapter 43 or the Experimental Aircraft Association. Submission of articles, comments, or inquiries for publication in the newsletter are encouraged. Meetings are normally held on the second Saturday of each month at 7:00 P.M. The place is determined each month.

## Mile High Flyer

EAA Mile High Chapter 43

Gene Horsman

Data Base Editor

210 Lookout View Ct

Golden CO 80401

FIRST CLASS



**NEXT MEETING - MAR. 10, 2007, 7:00PM JEFFCO (RMMA)**