

The July 15, 2009 7:30 p.m.  
Chapter 216 Monthly Gathering  
Will be held at Freefall Adventures  
Thanks to John Eddowes for providing



THE CROSS KEYS FLYER  
EAA CHAPTER 216 NEWSLETTER  
ED NEUMANN - EDITOR  
15 MOCKINGBIRD LANE  
AUDUBON PARK, NJ 08106-1715

ADDRESS SERVICE REQUESTED



# EAA Chapter 216 -- July 15, 2009

EXPERIMENTAL AIRCRAFT ASSOCIATION  
SOUTH JERSEY CHAPTER 216

CHARTERED NOVEMBER 3, 1964

INCORPORATED MAY 26, 1966

## Experimental Aircraft Association South Jersey Chapter 216

President: Howard Bates 856-728-2354  
Vice Pres: Herman Junkerman 856-881-3459  
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Flight Advisor:  
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Immediate Past President;  
Rich Cheeseman 856-589-4195  
News Letter Editor  
Ed Neumann 856-323-8466  
E-Mail: enemann2@yahoo.com

**ATTENDANCE:** A total of 14 members and 2 guests were present. Tony Stosney and Alfred 'Al' Chai. Both guests are friends of Ed Neumann.

**CALL TO ORDER:** Vice President Herman Junkerman called the meeting to order at 7:45 PM.

**READING OF MINUTES:** A motion was made, seconded and approved by the membership, to waive the reading of the May 20, 2009 minutes and accept them as published in the newsletter.

**TREASURERS REPORT:** Roy Hermansen reported that recent expenses included: \$69 trailer registration renewal; \$25 annual corporation fee; \$300 pancake breakfast food/supplies purchase; \$50 aviation wall chart laminating; and \$300 to purchase T-shirts. The pancake breakfast grossed \$1200 and after all expenses are paid we will probably net about \$800. The chapter roster has grown to 51 members and a few more are expected.

**NEWS AND CORRESPONDENCE:** VP Herman Junkerman received information about three events that was passed around: LSA Jamboree in Fairfield, NJ; Wings and Wheels in Danbury, CT; and Fathers Day Fly-In at Shreveport North airport in Wellsville, PA.

**TECHNICAL COUNSELORS REPORT:** Whitey Lance reported that Tony Butterhof is still tinkering with his homebuilt Aeronca.

**OLD BUSINESS: (1) Pancake Breakfast Review -** VP Herman J. asked if anyone had experienced any problems during the event, but fortunately there were none. Even the new runway/taxi way high edge did not cause any problems. The event was very successful and we thank all the volunteers, with special recognition of Tom Coyle, Warren Estlack

## MEETING MINUTES

EXPERIMENTAL AIRCRAFT ASSOCIATION  
MEETING MINUTES - JUNE 17, 2009

LOCATION: Freefall Adventures Sky Diving  
Center, at Cross Keys Airport, Williamstown, NJ.

and Rick Wisner for their assistance in the kitchen area.

**(2) \$500 Donation Received** - Betty MacLeod has donated \$500 to the chapter as a memorial to her late husband (and longtime EAA Chapter 216 member), Doug MacLeod.

**(3) Atlantic City Airport Tower Visit** - It has been confirmed that the visit will take place on Wednesday, August 12<sup>th</sup> at 10:00AM. Check the current calendar of events for details.

**(4) Duffy's Hangar Wall Chart** - Thanks to Tom McDowell the laminated chart has been mounted onto a backer board and is now completely ready to be hung on the wall.

**NEW BUSINESS: Calendar of Events Planning** - *The First Saturday of the Month get together* - for July, will actually be held on July 11<sup>th</sup>, by attending the Chapter 240 Breakfast Fly-In at New Garden Airport.

**World War II Guys Presentation** - This is tentatively scheduled for November and will be held at the Millville Army Airfield Museum.

**Pemberton UL Fly-In** - This is a good picnic day for ultralight flyers on June 27 starting at noon.

**MISCELLANEOUS:** Several birthdays were recognized to have taken place on June 14<sup>th</sup> or thereabouts. Members Ed Neumann, Charlie Eshleman and Joe Arsenault.

**PROGRAM: Rotax 503 Engine Tear Down and Inspection** - This video was a continuation of the first and second parts, which were shown at previous meetings. Please bear with us. We will get to the ending soon. Meanwhile, we are learning more about the Rotax two-stroke engine and what to look for when doing a teardown for overhaul.

**ADJOURNMENT:** The meeting adjourned at 8:50 and the program ended at 10:00 PM.

Submitted By: Bill Varnes, Chapter Secretary 

## CALENDAR OF EVENTS

JULY 11 ----- TOUGHKENAMON, PA  
EAA CHAPTER 240 FAMOUS PANCAKE BREAKFAST  
NEW GARDEN AIRPORT (N57) - 302/234-9596 [www.eaa240.org](http://www.eaa240.org)

JULY 11-12 ----- BETHEL, PA  
WINGS & WHEELS DRIVE-IN/FLY-IN SHOW  
GRIMES AIRFIELD - [www.goldenageair.org](http://www.goldenageair.org) - 717/933-9566

JULY 12 ----- WOODBINE, NJ  
EAA CHAPTER 287 - FLY-IN BREAKFAST  
WOODBINE MUNICIPAL AIRPORT (1N4)  
Jim Romano - President - [FlyingJR13@hotmail.com](mailto:FlyingJR13@hotmail.com)

JULY 15----- CROSS KEYS, NJ  
EAA CHAPTER 216 MEETING - 7:30 PM  
@ FREE FALL ADVENTURE MEETING ROOM  
PRESIDENT HOWARD BATES- 856/728-2354  
[www.MK1monro1@verizon.net](http://www.MK1monro1@verizon.net)

JULY 23-25----- BRODHEAD, WI  
EAA CHAPTER 431 HATZ-PIETENPOL FLY-IN  
BRODHEAD AIRPORT (C37) - [www.eaa431.org](http://www.eaa431.org)

JULY 27-AUGUST 2----- OSHKOSH, WI  
EAA AIR VENTURE WITTMAN REGIONAL AIRPORT (OSH)  
MAKE PLANS EARLY - [www.AirVenture.org](http://www.AirVenture.org)

JULY 31 - AUGUST 2----- READINGTON, NJ  
QUICK CHECK BALLON FESTIVAL  
SOLBERG AIRPORT (N51) - 800/468-2479

AUGUST 12----- ATLANTIC CITY, NJ  
AIRPORT TOWER VISIT - ATTENDEE'S LIMITED - SIGN UP NOW  
7:45 AM - MEET AT PETER'S DINER - WILLIAMSTOWN FOR  
BREAKFAST -  
9:45 AM - ARRIVE AT AC AIRPORT FOR TOWER VISIT  
PRESIDENT HOWARD BATES- 856/728-2354  
[www.MK1monro1@verizon.net](http://www.MK1monro1@verizon.net)

AUGUST 19----- ATLANTIC CITY, NJ  
THUNDER OVER THE BOARDWALK  
11:00 AM TO 3:30 PM  
[www.atlanticcitychamber.com](http://www.atlanticcitychamber.com)

AUGUST 22 - RAIN DATE 23----- BETHEL, PA  
GOLDEN AGE FLYING CIRCUS AIR SHOW  
GRIMES AIRFIELD - GOLDEN AGE AIR MUSEUM  
[www.goldenageair.org](http://www.goldenageair.org) - 717/933-9566

SEPTEMBER 4-7----- WILDWOOD, NJ  
13<sup>TH</sup> ANNUAL AIRFEST - NASW MUSEUM -  
WILL HOST WW-II AIRCRAFT - B-17/B-24/B-25/P-51  
CAPE MAY COUNTY AIRPORT (WWD)  
[www.usnasw.org](http://www.usnasw.org) - 609/886-8787

SEPTEMBER 12----- TOUGHKENAMON, PA  
EAA CHAPTER 240 FAMOUS PANCAKE BREAKFAST  
NEW GARDEN AIRPORT (N57) - 302/234-9596  
[www.eaa240.org](http://www.eaa240.org)

SEPTEMBER 13----- WOODBINE, NJ  
EAA CHAPTER 287 - FLY-IN BREAKFAST  
WOODBINE MUNICIPAL AIRPORT (1N4)  
Jim Romano - President - [FlyingJR13@hotmail.com](mailto:FlyingJR13@hotmail.com)

SEPTEMBER 19----- OCEAN CITY, NJ  
OCEAN CITY MUNICIPAL AIRPORT - (26N)  
ANNUAL OPEN HOUSE FLY-IN - 609/399-0907

SEPTEMBER 20----- SIMSBURY, CT  
24<sup>TH</sup> ANNUAL FLY-IN and CAR SHOW  
SIMSBURY AIRPORT - 860/380-0040  
[www.simsburyairport.com](http://www.simsburyairport.com)

SEPTEMBER 27-28----- BETHEL, PA  
13<sup>TH</sup> ANNUAL FALL ANTIQUE AEROPLANE SHOW FLY-IN  
GRASS ROOTS DRIVE-IN/FLY-IN  
GRIMES AIRFIELD - GOLDEN AGE MUSEUM  
[www.goldenageair.org](http://www.goldenageair.org) - 717/933-9566

OCTOBER 3----- ALLOWAY, NJ  
EAA CHAPTER 216 ANNUAL FALL FESTIVAL FLY-IN  
WHITEY LANCE AIRPORT (NJ02)

OCTOBER 17 ----- DULLES AIRPORT  
EAA CHAPTER 287 BUS TRIP TO NASM Udvar-Hazy Museum  
More Detail to follow

DECEMBER 6 -----MASSEY, MD  
ANNUAL OPEN HANGAR DAY –  
MASSEY AIRDROME (MD1) MASSEY AIR MUSEUM  
“Hors D’oeuvres” WELCOME – 1:00 TO 4:00 PM  
410/928.5270 -- [www.masseyaero.org](http://www.masseyaero.org)

FEBRUARY 2-4, 2010 ----- SEBRING, FL  
U.S. SPORT AVIATION EXPO  
SEBRING REGIONAL AIRPORT (SEF)  
[www.SPORT-AVIATION-EXPO.com](http://www.SPORT-AVIATION-EXPO.com)

APRIL 13-18, 2010 ----- LAKELAND, FL  
SUN-’n-FUN FLY-IN  
LAKELAND LINDER REGIONAL AIRPORT (LAL)  
[www.SUN-N-FUN.org](http://www.SUN-N-FUN.org)

JULY 26-AUGUST 1, 2010----- OSHKOSH, WI  
EAA AIRVENTURE WITTMAN REGIONAL AIRPORT (OSH)  
MAKE PLANS EARLY – [www.AirVenture.org](http://www.AirVenture.org)

This information is not guaranteed.  
It’s wise to confirm dates as some events cancel without notice.  
Please send event data or updates to Bob Cooper – 856/694-4221  
EAA CHAPTER 216 – [PL4COOP@JUNO.COM](mailto:PL4COOP@JUNO.COM)  
Updated – 06/12/09

## Bill’s Adventures

### Kolb Wheel Balancing

By Bill Varnes 7/1/09

Many months ago, while in the process of doing some repairs and sprucing up my Kolb FireStar ultralight, one of the items on my list was to replace the tires on the main landing gear. They were showing signs of weather checking (small cracks in the rubber) and I did not want to suffer a blowout during a landing. These wheels and tires are simple wheelbarrow type and not of very good quality. But, they are lightweight and the original set has lasted 14 years. The new tires are made by Chen or Ying Yang or something like that and you guessed it, made in China! My good friend Alan Mancus was helping me one day and he mounted the tires on the wheels for me.

After the repairs were completed, I made a test flight and just as I left the ground on takeoff, I felt a severe vibration coming from the landing gear. Obviously the wheels were considerably out of balance. I applied the brake, which stopped the wheels from rotating and thus stopped the vibration. Since the out of balance condition did not affect the ground handling or takeoff and

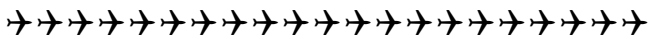
landing operations, I decided to deal with it by simply applying the brakes just after liftoff.

This worked fine for a few flights, until one day I grabbed a bunch of brake before I actually lifted off. Although the go-cart type brakes are not very strong, they did cause the nose of the plane to dive down somewhat unexpectedly. I don’t think it would have actually nosed over, but it scared me enough to consider it would be best to balance the wheels before an incident happens.

I removed the wheels and took them home to see what could be done to balance them. Using a long 5/8” bolt as an axle, I positioned a wheel in my vise. Amazingly the bearings were very sensitive and the wheel simply rocked back and forth until it stopped with the heavy point down. I went to Pep Boys and begged a few small wheel weights, about one ounce each, from the gal in the tire department. I took them home and discovered the lip on the rim is much smaller than an auto, so the weights would not fit. Not to worry though. We’re experimenters right? I cut the weights in half so the clip part would now fit onto the rim, then temporarily taped two of them onto the wheel. Well, it didn’t even come close to making a difference. I kept adding weights and still wasn’t even coming close to getting it balanced. So, another trip to Pep Boys and I came home with a big handful of larger, used weights, some as much as four ounces each. But these larger weights were not going to fit either. They were designed to fit onto a much larger diameter wheel so the curvature was too flat. Ok, back to the drawing board.

I searched the web for an answer and found a site that advertised stick-on weights, made for use on Corvette wheels, were the owners did not want to scratch their \$\$ mags. Well, once again, being an experimenter (or maybe a cheep’o), I decided to modify the used weights and stick them on with double-sided tape. I cut the metal tab off of the weight and then hammered the lead part into a smaller diameter to fit on the underside of the wheel rim flange. Would you believe I had to use the full four ounce size of weight to get the balance within spec? Those tires are really poor quality. To fine tune the balancing, I drilled a few holes into the weight, removing some lead, until the wheels balanced just about perfect. A test flight proved no more vibrating after liftoff. I will have to inspect the

wheel weight attachment before each flight to make sure the double sided tape is secure, lest the weight come off and go through the prop. ☺



Bob Richards, Chapter 216 lifetime member and signer of the Chapter charter, will be 87 years young on July 14th -  
Send cards to:  
Bob Richards  
302 West Forth Avenue  
Barrington, NJ 08007

## A message from the Prez

Ed: I talked to Herman J. and he said it would be ok for him to give a demo on the Paraplane at Carters on 7/15/09 at 7:00PM. He said it would be ok with Carter without talking to him so can you send an e-mail to all members stating that our meeting will start at Southern Cross airport on 7/15/09? I will put a note on the door at Freefall telling anyone that missed Carters that we will be at Freefall around dark.  
Howard, [MK1monrol@verizon.net](mailto:MK1monrol@verizon.net)

(Last year we tried to do this and it rained. I suggest that if it's raining or extremely windy to go directly to Freefall.)

Ed...

## View from the Tail Gunner,

Ed Neumann

We talked for years about moving the Spring fly in Pancake breakfast from May to June. If you

remember the first Saturday in May the weather was Rainey. I remember thinking that I was glad that we made the change. I was a strong supporter of having Chapter 216's pancake breakfast the First one of the flying season. There were two other Local Events on June 6 & 7 but we garnered a fair share of supporters.

This was the first year that we dedicated the fly in to the Memory of our good friend Doug McLeod.

Hi wife Betty came on Saturday with one of Doug's friends Kenny Pierce. They enjoyed it so much that they came again on Sunday.

The overnight camping was a great idea of Bob McGuigans. Thanks Bob, for making all this possible.



The June monthly gathering of Eagles was conducted by Herman Junkerman our Chapter VP and only 'Paraplane Pilot. Herman wanted to Fly and decided that he was too big for an ultralight but he found the Powered Parachute was just right. The July Monthly Gathering will be special because it will begin at 7 PM, a ½ hr earlier, and start at Eddie Carters Southern Cross Airport where Herman will demonstrate the art of flying the "Chute". It's not how fast you go but how much fun you have.

If you have never driven to Carters it is on Rt. 555, Tuckahoe Road, 3.5 miles past Cross key's on the left. 555 is very straight and just past the runway there is a sharp turn to the left. Look for the Orange Balls on the wires. The driveway into the Airport is a single lane with large Evergreen trees on your right. Bring your own Mosquito spray.

The first Saturday Event in August will be on Wednesday Aug 12. That might sound a little confusing but please see the events. You must make arrangements with Tom McDowell to be added to the list. Security you know.

Tom McDowell 856-358-7351

**I was always taught to respect my elders,  
but it keeps getting harder to find one**

## EAA-Chapter 216 Member of the month



*Art Kruysman*

The other day I met with one of our long time members, *Art Kruysman*. Art is one of the regular fly guys.

You will see Art on occasion at Alloway flying his plane. Art has been flying for some 17 years now. He got started back in 1992. Art was on a return trip from Alaska when he stopped along the way at an airport and met a guy that had a gyro. Art says this guy had an ultralight that he sold. He told Art he was going to order a kit plane called a Fisher. Art asked if he would order two. When Art received the kit, he said it took him a year to build it. He built it right along side of his house near Vineland. (Doesn't sound that bad to me...but then I never built an airplane that would haul my sorry butt 2000 feet above terra firma.)

Art started taking lessons with Dick Fekete in a 150 Cessna. While he was taking lessons in the Cessna, he would taxi his Fisher Biplane up and down the runway. One day, Joe Flood came by while Art was taxing. Art asked Joe take the plane up for its maiden test flight. Art said it was a thrill to see it up in the air.

Don't know if it was on the same day but Joe saw Art taxing and mentioned that he was capable of flying it. While Art was doing his taxing and bunny hops, he decided to take her up. The rest, as we say, is Aviation history. Art flew it around for a while, did some maneuvers, stalls and approaches. While Art was up flying around, reaping the benefits of his hard work building the plane, his instructor Dick Fefete came by. Dick asked Joe who was flying Art's plane. Joe said it was Art.

Art spoke a little about the Kolb he now owns and flies. He told me that he used to fly with Ken Mancus and Bill Varnes. When, some time after Ken passed away, Art bought his Kolb, which he is flying now. He sold the Fisher not long after that.

The Kolb sips fuel from the Rotax 447 he has powering it. He keeps it hangered at Alloway airfield.

I always ask what the fondest memory was. Art recalls his when he soloed his Fisher. That has to be the very best feeling to fly what you built. I also ask what the dumbest or scariest thing that he ever did. Art thought for a moment and said when he was flying over Whitey's and his gear box let go. Outcome was fine. He also remembered a time when he left a socket "where it didn't belong". We'll just leave it at that.

Arts longest flight was to Pemberton. His highest flight was around 3 thousand feet. Art is one of those guys who just sincerely enjoys life. This is depicted by the artwork and such that hang from his wall in the day room of his home. He fly's, and he travels in his Airstream. As a matter of fact, Art has been to Alaska four times. Three of which he drove his camper up. He did a lot of fishing up there.

Art is one that has little left on his "Bucket List" You need to see the movie to understand. When you see Art around the airport or anywhere else, stop and say hi. He is a very friendly guy and very interesting to talk to. Thank you Art, from all of us for your help. We really appreciate that you pitch in when and where it is needed.

EXPERIMENTAL AIRCRAFT ASSOCIATION  
SOUTH JERSEY CHAPTER 216  
1216 CLAYTON ROAD  
WILLIAMSTOWN NJ 08094

Mrs. Douglas MacLeod  
305 East Elm Street  
Wenonah NJ 08090

June 27, 2009

Dear Mrs. MacLeod,

On May 29<sup>th</sup> I received your check of \$500 as a donation to EAA Chapter 216 in memory of your late husband, Douglas. During our executive board meeting on June 3<sup>rd</sup>, I presented this donation to the chapter membership. To say we were surprised would be an understatement. Your generous donation is greatly appreciated and we wish to thank you for that.

Also, we were very pleased to have your presence at the 'EAA Chapter 216 Pancake Breakfast in Memory of Doug MacLeod' on Saturday and Sunday. Many of the chapter members met you for the first time and this will remain in our memories for the future.

Again, we thank you very much for your generosity.

Sincerely,

Bill Varnes  
Secretary