

SUPER RC FLYER



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Coming events:

- March 18-20, 2011 - Midland mall static display.
- April 1, 2011 - Toledo show begins
- May 7th Spring clean-up

MRCMC General Membership Meeting Minutes

Date: Mar. 2, 2011

Members Present: Don Jones, Ron Helmer, John Poma, Leroy Witki, Bobby Hill, Karl Eckerle, Brad Wolfgang, Luther Bitler, Gary Brookhouse, Jim Clark, Mike Fjerstad, Jerry Hahnfeld, Ron Helmer, Steve Linley, Jim MacRae, Ray Ruzsala, Milt Strom, Bob Thompson, Gene Thompson, Jim Whitehead, Ron Wiles, Don Zahm, Steve Zahm.

Visitors Present: John Smith from White Cloud R/C of Newaygo, MI

Brad called the meeting to order at 7:30PM

1. Minutes from last months meeting were accepted as printed in the newsletter.
2. The treasurer's report was given and accepted.
3. Karl reported that donated planes were sold so the club can purchase a plane for the air show raffle.
4. Banquet was successful with 22 attending.
5. Mall show planes were reviewed. Looking for MORE planes for display. Gladwin club will also participate.
6. Discussion of FAA proposed rules (not yet released) and how the club will respond when the proposed rules can be evaluated.
7. Toledo Show is April 1st and the bus leaving from Roger's Hobby has only seven seats left.
8. Rolling the air field was discussed. Mike and Steve will get estimates for commercial service.
9. Float fly on May 21st is on schedule and organized by Gary Brookhouse. All Electric fun fly on June 11th will be organized by Ron Wiles.
10. Mid-Michigan Fun Fly is scheduled for July 9th, hosted by Forest Aviators in Otisville.
11. Jerry Hahnfeld gave the club a Safety update to the club members. Outline attached to newsletter.
12. Steve gave a report on combat planes that could be built by members for the air show. Web sites are included in "Web sites of interest".
13. Business meeting was close at 8:10 to do show and tell on "winter" building projects by Jerry, Don and Karl.

Minutes respectfully submitted by Jim MacRae and Jerry Hahnfeld

Safety Review - 2011

Jerry Hahnfeld

Prop Strikes

- Reaching Through Prop
 - Tuning
 - Reaching for starter, etc.
- Movement of Plane
 - Unsecured
 - Pivot from wing tip
- Unexpected Start-up
 - Electric
 - Full throttle start
 - Transmitter stick

Propeller Strike - Stay Behind!

- Tune from behind
- Spectate from behind
- Keep electrics pointed away
- Use plane restraint when starting

Propeller strike from back much less hazardous!!!

Planes in Pilot/Spectator Zones

- Always observe and obey the flight line
 - Dump your plane if necessary
- Be alert when others are taking off
 - Use upwind 1/3 of runway on take-offs
- Be alert for maiden flights
- Be alert during landings
- Use a spotter

Losing a plane is less serious than being hit by a plane!

Pilots on the Runway

- Fly from behind the safety fencing
- Communication is the key
 - Ask permission from flying pilot(s) before moving to runway
- Your plane can sit on the field until other planes land

- Yield to persons searching for downed plane

Building Accidents

- Beware the Exacto knife!
- Secure engine before starting
- Set up radio on electrics w/o propeller
- Respect power tools

AMA and Field Rules

- No Taxiing in pits
- Established Flight Line
- No Alcohol (or drugs) and Flying
- No Children Under 6 on Flight Line
- Cannot touch flying model
- Model cannot touch ground (other than wheels)
- Spectators in Pits

INSURANCE REQUIRES FOLLOWING RULES!

Final Word

- Stay behind the propeller
- Think before acting
 - Develop routine, avoid distractions
- Respect others (especially spectators)

Flying alone presents additional hazards

Web sites of interest:

Combat Wing links from Steve:

Roger's Hobby Center

http://www.mscomposit.com/airplanes/electric_65/delta.htm

http://www.amainhobbies.com/product_info.php/cPath/3_516_693/products_id/156321/n/MS-Composit-Swift-II-Airbrush-Line-EPP-ARF-Storm?utm_source=Google-Base&utm_medium=cpc&utm_campaign=Product-Feeds&source=google_ext

http://www.amainhobbies.com/product_info.php/cPath/3_516_693/products_id/156312/n/MS-Composit-Swift-II-Airbrush-Line-EPP-ARF-Freedom-Warrior?utm_source=Google-Base&utm_medium=cpc&utm_campaign=Product-Feeds&source=google_ext

Source for Combat Wings I found in Utah

<http://www.utahflyers.org/buy-a-combat-wing-othermenu-39> buy an EPP Assassin 36" improved combat wing design, no tip fins are used.

<http://www.crashtesthobby.com/> Crash test hobby home page show several models 7 prices fly more

http://www.crashtesthobby.com/index.php?p=1_11_Assassin-Titan-Grim-Reaper Building instructions videos for Assassin and others

<http://www.utahflyers.org/component/content/article/36-planes/90-buy-the-assassin-36q-epp-combat-wing>

Buy an Assassin Utah Flyers Organization website

The Assassin is designed from the ground up for combat.

LOOK MA, NO FINS!!!! I have had the fins knocked off my combat wings so many times I specifically set out to design a plane that didn't need them. The new stable design flies so well without a rudder or fins I don't even miss them. Having a plane without fins is great for combat, yard flying and simply loading it in the car without breaking something off. If you watch the videos you will see the plane showing off its stability in slow flight. This is the only power plane I know that is this aerobatic and stable without fins.

We have had a custom 16 gauge stainless steel motor mount machined for the Assassin. It is strong enough to hold up in combat but light enough to let the plane fly. The plane comes with a 3mil laminate that adds incredible strength and protects the foam and tape from UV light.

We designed the plane to be a quieter more neighbor friendly plane by using a larger prop turning at a slower speed. Watch the videos and notice the difference in the sound between the planes. Planes that turn a smaller propeller at higher speed not only make a louder noise but it is a more piercing and irritating sound.

The new Assassin will fly slow making it a better plane for combat. It is not the fast plane that gets the most hits but the plane that can fly slow in formation that makes the most contact. It still has a good top speed of over 70 mph on the recommended motor and battery. At 15 oz The Assassin is capable of vertical climbs and can be set up to roll like crazy. It is a safe plane because it weighs only 15 oz. Many combat planes are close to 30 oz which is heavy enough to inflict personal or property damage in an accident. The Assassin has a soft leading edge, the prop in back and a low overall weight. In the videos I repeatedly catch the plane. This is not something I would do with most planes.

The Assassin is designed to take a beating and keep on flying. It is wire cut from solid, extra thick 1.3 pound EPP foam so you can bury the battery, radio and motor in the EPP foam for those people who really want to hit something. This entire wing is built of solid EPP, not just an EPP leading edge like some of the manufacturers are doing to save money. It also comes with 1.9 lb EPP foam elevons. The EPP elevons are just as flexible as the wing reducing combat rash and keeping you in the air while the competition is out for repairs.

We cover the elevons with bidirectional reinforced tape and a layer of laminate to make them stiff. The bidirectional tape does not need a spray adhesive to stick to the EPP foam and can be applied quickly, greatly reducing the building time. It is strength rated at over 150 lbs per square inch making it a match in heaven for EPP foam. A layer of laminate over the top adds even more strength.

We have seen these planes do parking lot dives, hit trees and walls, and most desirable of all hit other planes in combat and survive with no damage to plane or radio. I'm sure we could find a way to break it but with the new bidirectional tape and EPP it will really take a beating.

We are cost conscious. These wings have been designed to fly well with an inexpensive \$6 motor and a 1300 3S battery to save on overall cost on a high performance plane.

The Assassin is a new club combat favorite. We dare you to try to smash it up!

You can order your own 36" EPP Assassin and see our other products at www.crashtesthobby.com

Build Instructions <http://www.rcgroups.com/forums/showthread.php?t=1052384>

Here is a shopping list for beginners If you are just getting into the hobby

<http://www.rcgroups.com/forums/showpost.php?p=8385551&postcount=1>

Additional Research

<http://www.foamwingcutting.com/?gclid=CI7furbcxqYCFUdrKgodxU9sIg> Foam wing cutting How-to video \$29 (2hours)

<http://r2hobbies.com/eng/products.php?cat=108&gclid=COT0ntPcxqYCFQTNKgod1G0AJA>
R2Hobbies from Hong Kong sells cheap R/C foamies and parts (shipping = item cost or more)

<http://www.rcgroups.com/forums/showthread.php?t=227253> Ele-Bee Combat Wing article

<http://www.rcgroups.com/forums/showthread.php?t=840149> R/C groups compilation of links for building and watch the Assassin Combat Wing made by Crash Test Hobbies in Salt Lake City, UTAH

<http://www.youtube.com/watch?v=dygJbqRVlz8> Ohio Combat Wing building on YouTube

Pictures from SVSU Feb. 27th





Pictures from Club meeting in March:

Don Zahm's winter project that is going on the second year.

A Space Walker 1/3 scale Kit by Sig Manufacturing



Engine mount for Zenoah G38 gas engine.

Sorry that the other pictures of the other projects did not transfer.