

# Glitch Busters

January 2013



**NEXT MEETING**  
**January 1**

Lums Pond Flying Field  
at the Freeze Fly

AMA #197 / IMAA #687

# DECEMBER MEETING MINUTES

The December meeting was called to order by John Kirchstein at 7:30PM at the Newark Senior Center, on Tuesday, December 4th, 2012. John's first order of business was to introduce Mark Weiss as the new Club President. John then took a comfortable seat in the audience and breathed a sigh of relief. John, thanks for all your leadership and we look forward to your participation on the Board of Directors.

Mark gave the group an overview of his thoughts for 2013 and they were simple, yet direct:

**1. Anyone wishing to fly at our field needs three things to do so (in addition to your airplane stuff): a current park sticker, a current AMA membership card, and a current membership in the Delaware RC Club. End of discussion.**

2. Let's try to **add some new members** this year, especially some of the younger folks out there. Our hobby is graying and we need to keep it going.

3. Let's have safe fun. **We are all safety officers.** If you see someone doing something that could endanger them or others, approach them and kindly tell them what their acts could produce. Most people will take kindly to kind words. If their response is not what you were hoping, try to come to some resolution and let one of the club officers know of the incident when they would not stop their potentially dangerous actions.

Mark did a short program by discussing a variety of objects he uses in the shop and at the field. Each of us has special tools, jigs, and other things that make the hobby more enjoyable. Please share these things at club meetings.

Paul Brick brought a new ARF that appeared to be SkyTiger, a former Carl Goldberg model, but it was not. It was a redo by one of the Chinese ARF companies. The plane was nicely done and Paul only paid \$50 plus shipping. Paul, thanks for bringing your plane and sharing it with us.

There were four new members who attended the meeting and that is always great news. Welcome Bill, another Bill, Ray, and Lenny (sorry, I could not get their last names)

For this meeting, Mark and the Board initiated a 50/50 drawing. We collected \$52 and the \$26 winners share went to Paul Brick. The remaining \$26 will be placed in the treasury for the purchase of a future raffle item for future meetings.

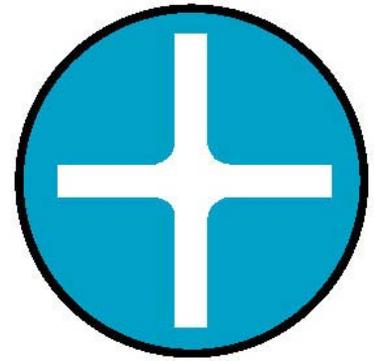
# THE RIGHT TOOL FOR THE JOB!

Here is a tip for those of us who have had the frustrating experience of ruining the head of one of those little Phillips head screws in an engine, or when assembling an ARF airplane or helicopter. It might not have been entirely your fault. You just may have been using the wrong type of screwdriver.

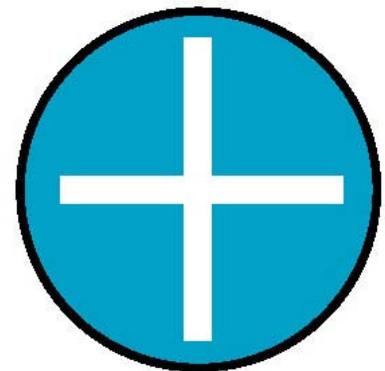
Since most ARFs, helicopters, and even engines are built in the Far East, many manufacturers use what are called “JIS” cross-head screws; JIS meaning Japanese Industrial Standard. The screws look almost identical to Phillips, but they are just different enough to make you a little crazy. Of course just like metric screws and bolts, the manufacturers may include both JIS and Philips screws in your kit.

The JIS can be identified by a tiny dimple on the head, or by the fact that you can only get them out by using vise grips! You won't find JIS screwdrivers for a dollar at Harbor Freight, but they are available online in a wide range of prices. Just do a Google search for JIS screwdrivers. Try them; you will be happy you did!

—by Gerry Roedel, from the Tri-County R.C. Club, New Jersey



Phillips Screw



JIS Screw



# IS EPOXY RESIN OR POLYESTER BETTER FOR GLASSING?

*by Jim Cook, Shakopee MN, printed in Replica, newsletter of the National Association of Scale Aeromodelers*

Both produce sufficiently hard surfaces, but polyester is softer. This makes polyester sandable. Epoxy is harder; therefore, it is more difficult to sand. Wet sanding works best for both types. There is no difference in weight.

Polyester can be spread a little thinner, however, and it is sand-able, so less of it tends to remain on the model. But polyester stinks. It takes weeks for the smell to go away. Epoxy is nearly odor-free. Epoxy favors peace at home.

Polyester cures with a slightly sticky surface. Primer adheres well. Epoxy requires a light scuffing. Epoxy resin must be mixed exactly.

Try this experiment. Mix some epoxy resin precisely and pour it on waxed paper. Now mix some epoxy at 45:55. Pour it out and let both batches cure. Note that the mismatched batch is softer and has a waxy surface—it didn't cure completely. Polyester is not fussy about proportions. A variance in the amount of catalyst affects only the setting time. The catalyst of polyester resin has a short shelf life. Don't use old stuff—it won't cure.

Polyester catalyst is more toxic because it is more concentrated. Always wear latex gloves when working with any kind of resin. For large jobs, wear a respirator and use a window fan.

Don't thin either. Try this experiment. Mix some resin (either one) and pour half of it on a sheet of waxed paper. Dilute the remaining 10% with alcohol or a thinner of your choice. Pour it on waxed paper and let both cure. Observe that the thinned resin is soft, flexible, and it has an oily surface. Thinner resin prevents complete curing.

Epoxy resin seems to adhere to balsa slightly better, but that might vary with conditions.

# PHOTOS FROM THE FIELD









## EVENTS IN OUR AREA

### WRAM SHOW TO REPEAT SUCCESSFUL NJ VENUE

2013 WRAM Show will celebrate its second year at the  
Meadowlands Exposition Center  
Secaucus, New Jersey  
February 22, 23 and 24, 2013



#### *Mark your calendars because:*

- Last year's popular Show has sparked significant increases in new vendor commitments
- Great reviews in RC magazines and forums have added to public awareness
- We're the largest RC show on the East Coast and 2nd largest in the U.S.
- Our modern, user-friendly venue offers terrific extras, including:
  - ✓ Outstanding location – 5 miles from New York City, with door-to-door Midtown Manhattan bus service
  - ✓ 5 major hotels, 25 restaurants, shopping and entertainment within walking distance
  - ✓ Free admission for children 5 and under; \$3 for ages 6-11; \$12 for everyone 12 and over. Children 11 and under admitted free on Sunday 2/24/13, when accompanied by adult. Active military admitted free.
  - ✓ RC boat pond, a racetrack and flying exhibition area
  - ✓ Cash prizes in different static-model categories with Best in Show \$1,000 prize
  - ✓ Free WRAM Flyer model-building and -flying program for kids
  - ✓ Swap Shop and Seminars included in admission price
  - ✓ Free indoor parking

**Contact Show Manager for advanced group discount tickets**

Visit our website, [www.wram.org](http://www.wram.org), for more info or call me:  
Bob Krull, Show Manager, at 845-656-1419

*"The change in venues is a big step in the right direction and will allow for growth and future success. We've already talked to a few vendors who will be there next year for the first time and Desert Aircraft will be adding some additional booth real estate as well. The WRAM Show is definitely in the upper echelon of RC events and I highly recommend it for vendors and patrons alike." —Dave Johnson, Desert Aircraft*



### **Glitch Busters**

is a monthly publication of the Delaware R/C Club:

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## PREZ SEZ

### **New Business:**

**The Annual Freeze Fly will be Tuesday, January 1st at the field.** Greg will once again deep fry one of his great Turkeys. **Please bring a covered dish** so we will all have plenty to eat. As there will be many members at the event, **the January Club Meeting will also be held at the Freeze Fly.**

This will also be the perfect time for all that have not renewed their membership to do so at the meeting.

The meeting was adjourned at 9:30PM. There were 26 members in attendance.

### **More exciting news:**

Take Note: **The February Club Meeting will be held at the G-Force Hobby Shop on Tuesday, February 5th!** John will close the doors to regular business at 7:00PM and he will supply dinner for all those who attend! Please do not let us down. Come to that meeting to support the club and to thank John for his generosity. I will be picking up 40 chairs and John will have food for 40 folks.

It should not surprise anyone that I believe more people need to be coming to our club meetings and I will do all I can (along with our Board) to make the programs entertaining and well worth the time. Having a meeting at G-Force may provide us with new club members as John has agreed to post signs in the shop telling non-members about the upcoming gathering on Feb 5th.

## FROM THE EDITOR'S DESK

Freeze Fly photos will be in the February Glitch, because this month's newsletter will be published before the January club meeting which will be held at the Freeze Fly.

I ran short of ideas for topics this month, so I stole a couple of items from another newsletter, which were in turn taken from other newsletters. Isn't this fun? Anyway, I hope you find the articles of use.