

December 2009

AMA #197

IMAA #687

Glitch Busters



**Next Club Meeting:
Tuesday
December 1, 2009**

@

**Newark Senior
Center**

7:30pm

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*Please keep our flying site
clean by removing all
trash and debris when you
finish flying for the day!*

The Prez Sez

At the November meeting, Stan Michalski was elected Secretary and Greg Schock stepped into the Vice President's position. Tim Asbury, who served well as the outgoing Veep will concentrate on teaching new pilots, as the Training Coordinator.

The auction is history! My impression was that there was more for sale than there were buyers, but thanks to Dick Stewart's management of the event, some good prices and many bargains led to a successful affair for the Delaware RC Club.

The next Club Event is the Freeze Fly on Friday the first of January. There is plenty of food available, but plan to bring your favorite side, main dish or dessert to share with the hardy souls that show up on the first day of the New Year.

The board is investigating the addition of a permanent PA system and the possibility of buried wire for that and electrical distribution. We are only in the feasibility stages for most of this; looking at costs, permits, good-and-bad sides of any additional installations. It'll be spring before any decision can be implemented anyway.

Remember that dues paid before Jan15th are subject to the early renewal reduction, and that they may be paid online through the PayPal link.

As the year comes to a close, I'd like to thank everyone who has participated in making the club a success, and urge those of you who would like to help to step forward; volunteers are needed for all aspect of the club functions.

With this issue, Preston LeSage has taken over as the Newsletter Editor. This is no small task and is essential to keeping communications alive to the membership. Any and all help you can give him will be appreciated.

Our thanks also go to Vaughn LeSage, who took time from a busy work schedule to publish the Newsletter the past year. Well Done!

John

Delaware R/C Club Meeting Minutes

General Membership Meeting of the Delaware R/C Club

Tuesday November 3, 2009

- President John Kirchstein called to order at 7:40PM.
- Gests and new members:
Dave, Sue, and Will
- Show and Tell:
Greg Schock brought a Parkzone Bf-109G
Jin Schlapfer brought an E-flite P-40
Bill Bouchard brought a LiPo charging sack
- Treasurer Report:
Mark McQuaide
- Old Business:
Dick Stewart gave a report on the Friends of Bellanca Open House
Dick Stewart needs help on the club auction and swap meet
- New Business:
Club Elections
Vice President: Greg Schock
Secretary: Stan Michalski
- Safety Report:
John Kirchstein
Deer Hunting - Shotgun Season is Nov.13 - 21 & Dec. 12 - 19

Submitted by: Greg Schock, Secretary

Bellanca Open House Report

On behalf of the Friends of Bellanca Airfield, sponsor of the Bellanca Open House, I want to express a big thank you to members of the Delaware R/ C Club for your participation in the event. Despite inclement weather requiring cancellation of the outside events including a full scale fly over by two Bellanca Cruisairs the turnout was surprisingly large. The models on display drew many nice comments & interest from the visitors. The bad weather didn't stop Vinny Damiani & Dave Malchione from putting on an impressive flying demonstration inside the hangar. Visitors delighted in having two "Vapor" R/C models follow them around overhead during the tour! Kudos to the following Club members & their models on display: Tony Albence-Bellanca Skyrocket & F4B, Bob Karlsson-Wildcat & Buhl Pup, Greg Schock- B-25, Howard Smith- PT-19, Clark Woodring- Curtiss Robin, Dick Stewart- Gee Bee, Ryan STM, antique model engines from the late 1940s, and to Paul Gustafson for lots of help. The Delaware R/C Club continues its long standing support of regional aviation events. Thanks again.

Submitted by: Dick Stewart, Contributor



The Bellanca Aircraft Co. was founded in 1927 by Giuseppe Mario Bellanca



Tony Albence with his Bellanca Skyrocket. Howard Smith looks on



Bob Karlsson with his Buhl Pup and pit boy VP elect Greg Schock



Clark Woodring assembling his Curtiss Robin



Greg Schock with his totally restored B-25 Mitchell Bomber



Bob Karlsson's Grumman F4F Wildcat

Delaware R/C Club Auction Report

The Delaware R/C Club Auction on November 7th was very successful. The weather was great, contributing to an outstanding attendance number. Table rental was full a month before the event, something to remember next year. The School had three new tables that they let us use out in the entrance hallway. Approximately eight rental tables were turned away for lack of tables & space. General observations were that there were a lot of good deals on the tables and also in the auction segment (buyer's market). It's always amazing to watch friends/modelers get together and try to pawn off their treasures on each other. Thank you to the many club members who made the Auction a success. This year we received permission to set up the cafeteria on Friday afternoon instead of Saturday morning. This action really paid off with a less hectic start. Greg Schock volunteered to help with this task. Also, credits to: John Krick-Tablemaster, Jim Lester-Security, Scotty Moyer-Registration, Tony Albence and Tim Asbury-Auctioneers, Paul Gustafson, Paul Bryk and Gary Reisinger-Auction & Ticket Sales, Boys Scouts (Troop 30)-Food and Doug Yoder-School Custodian. Small world: Doug was a Club member back in 1986/87. Finally, thanks to all that stayed after the event to place the tables and chairs back in the original arrangement, a new school requirement for usage. Winners: 50/50 = Gary Reisinger, Raffle Prizes = Harold Mitchell and Lew McCarthy, and the DE R/C Club Treasury = \$ 409. Let's do it again next November! CD-Dick S.

Submitted by: Dick Stewart, Contributor

Delaware R/C Club Dues for 2010 are payable online

We have setup the website and our membership application so that you may now download the application, fill it out on-screen, mail it to Mark and pay the dues by PayPal.

Presently, you must go to PayPal and send the money to the dues address:

dues@delawarerc.org

Plane of the Month



John Williamson's US Navy Skyraider

15 Minutes of Fame



Rick Scott, Gary Reisinger, & Dave Moyer at WOD 2009

Advantages, Disadvantages and Rules of Thumb for CA Glue

Advantages to CA glues:

- One-part system.
- Solvent free.
- Rapid room temperature cure reduces need for fixturing.
- Excellent adhesion to many substrates.
- Wide range of viscosities.
- Excellent bond strength in shear and tensile mode.
- Primers available for polyolefins and engineering plastics.

Disadvantages to CA glues:

- Bonds to skin instantly, posing safety risks.
- Fumes are unpleasant and may present a health risk. (Produces Cyanide gas when heated)
- Eats plastic foam instantly.
- Poor peel strength.
- Poor resistance to impact loads.
- Subject to age embrittlement.
- Limited gap cure.
- Poor durability on glass.
- Low temperature resistance (loses strength at about 185 deg. F)
- Poor solvent resistance.
- May stress crack some sensitive plastics, such as polystyrene, polycarbonate and acrylics.
- Tends to "fog", or discolor some plastics.

Rules of Thumb for CA glue:

- The better the parts fit, the stronger the glue joint.
- The strongest CA glues are water thin.
- CA glue is relatively heavy. CA glue piled up on exterior surfaces does not add strength to the joint.
- The better the glue penetrates the substrate, the better the glue joint.
- The thicker the CA glue, the less penetration and the weaker the joint.
- 24 to 48 hours cure time is required to achieve full bond strength.
- The more catalyst you use, the weaker the joint. Many times it is better to use microballoons or baking soda as an accelerator.
- Good CA glue has a shelf life of 3 to 6 months at room temperature. It is best stored refrigerated or frozen.
- CA glues can be modified to extend the shelf life, to increase viscosity, or to increase flexibility. All such modifications will decrease the strength. A typical, thick, CA with 2-3 year shelf life has only about 20% of highly refined CA strength.
- When gluing non-porous surfaces such as glass, mylar, plastics, or metal you must increase the bonding area of the substrate.
- CA glues will not bond to anything with a waxy surface. Oil or grease on the surface prevents glue penetration and results in poor glue joints.
- When CA starts to thicken in the bottle, it's time to dispose of it.
- CA glues all have temperature limitations. Generally about 185 Degrees F.
- Solvents for CA include Nitromethane, MEK, and acetone.
- Don't store CA next to accelerator.

Advantages, Disadvantages and Rules of Thumb for CA Glue

- *The best way to remove CA glue from your fingers is by soaking in hot soapy water or by peeling the hardened glue off.*
- *The most difficult wood to glue is very thin plywood (1/64" to 1/32"). This material is very tight grained and oily.*
- *Don't move parts before the CA has set. Premature movement will weaken the bond.*
- *Using too much CA may introduce problems such as slow setting time or blooming.*
- *Curing speed depends on the moisture of the bonding surface. The best results are achieved when the relative humidity in the assembly environment is 40 to 60 percent at room temperature.*
- *High relative humidity levels make CA more reactive, resulting in faster curing rates.*
- *Low humidity environments cause CA products to cure slowly. This is a frequent complaint in winter.*
- *If surfaces are excessively dry or acidic, curing will be much slower or may not occur at all.*
- *Cyanoacrylates can produce a white powder resin when applied in very humid conditions or when the bonded materials are immediately placed in a closed space.*

Health Concerns:

Use CA only in a well ventilated area and avoid skin contact.

Uncured CA vapors cause eye and respiratory irritation. Repeated and/or prolonged use of CA adhesives may result in sensitization. Re-exposure symptoms include wheezing, coughing, sneezing, and respiratory distress. There are also reports of allergic skin reaction to CA.

Source: www.bemrc.org

SAFETY CONCERNS

- Low, high speed fly-bys are to be performed on the far side of the runway, never nearer than the centerline of the runway. A few members continue to ignore this important flight safety rule.
- The flight line must be informed if access to the field for retrieval of downed or stopped aircraft is needed. Avoid flying over or near people on the runway or in the field beyond.
- "Hot dogging" must not endanger the pilots or spectators. Dives toward the flight line are not permitted.
- New or recently repaired aircraft shall be inspected and subjected to a proper radio range check before being flown.

Guest Policy Reminder:

Guests may fly up to 3 times within a calendar year and must be sponsored by a current Club Member in good standing.



Glitch Busters
*is a monthly publication of the
Delaware R/C Club:*
www.delawarerc.org

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Set Your Course for Upcoming Events	
Delaware R/C Club Freeze Fly	January 1, 2010
Lebanon Flea Market	March 14
SKSS Wednesday Night Fun Fly	March 24
Toledo Show	April 7 - 11
Joe Nall	May 8 - 15
SKSS ESL Thermal Duration	June 12 - 13
SKSS Electric Warbird Fun Fly	July 3
Warbirds Over Delaware	July 7 - 10