



GLITCH BUSTERS

June 2022



Warbirds Over Delaware 2022 — July 13 - 16, 2022

Antiques and Classics at Lums Pond — July 30, 2022

Photo by Sam Winder

Our 30th year of Warbirds Over Delaware will be held July 13 - 16, 2022.

Event setup will be held Sunday July 10th starting at 9:00AM

The next General Membership Meeting will be held at the Flying Site Pavilion on Sunday July 10, 2022 starting around 11:00AM after WOD Setup is completed.

Call for Grass Cutting Volunteers

Grass cutting is in full swing and so far only a couple of volunteers have stepped up to perform this important Club task. Additional volunteers are needed! Two volunteers are suggested per cut. Training on mower operation can be scheduled with Mike Watson. Grass cutting is scheduled every Thursday morning, weather permitting. With two volunteers and mowers running, the entire field and pit areas can be cut in under 2 hours.

A calendar for volunteers is available via the Club Website at <http://www.delawarerc.org> with a link at the very bottom of the main page titled, 'Grass Cutting Schedule Calendar'. To volunteer, please send an email to info@delawarerc.org with the dates (Thursdays recommended) that you would like to volunteer.



Minutes of the June 2022 General Membership Meeting - June 11, 2022

The June General Membership Meeting was called to order at 10:59AM by President Greg Schock.

The July General Membership Meeting has been scheduled for July 10th at the Flying Field Pavilion starting approx 11:00AM or after the WOD setup. WOD Setup will start at 9:00AM on Sunday July 10.

Treasurer Report: Treasurer Mike Denest was not present so President Greg Schock gave a current report of the Club Treasury.

Old Business:

- * Greg Schock stated that he recently found the entrance gate unlocked and nobody was at the field. We are again reminded that it is the duty of the last member at the Flying Field to secure the site, including closing and locking the gate when they leave.
- * Pavilion repairs will be done in the Fall, possibly around Fall Cleanup.

New Business:

- * Paul Bryk suggested that the field be cut on weekends when a TFR is active. The issue with this is that the Club usually doesn't get notified of an upcoming TFR until the Friday prior.
- * Mike Watson inquired if a schedule calendar can be posted online for grass cutting volunteers to be posted.
- * Vic Pugarelli suggested that a 'white board' or other bulletin board be added to the Club website for the use of Club Members to post messages and For/Sale/Wanted items.
- * Greg Schock inquired if the Club has interest in continuing to host the Annual Club Auction/Flea Market. Vic Pugarelli stepped up to organize the event. Greg Schock will check for prices for local sites to host the Auction.
- * It was suggested to move the charging stations to the Pavilion. This would involve relocating the solar panels and finding a secure location for the batteries. Greg Schock will look into what needs to be done.
- * The owner of the local HobbyTown in Bear, DE sent a letter to AMA District IV with complaints specifically against the Delaware R/C Club, stating that Club Members were rude to himself and his staff. Club President Greg Schock and AMA District IV AVP Mark Weiss met with the owner to discuss the details. The store owner specifically named an individual that is not a member of the Delaware R/C Club, but we're blamed anyway. Greg requested that any Delaware R/C Club member who visits HobbyTown in Bear to be courteous and respectful.

Safety Report: The Safety Review Committee discussed and answered questions regarding the recent proposed changes to field layout and safety measures. The Club Members in attendance then voted on the proposed Safety changes which passed 9 to 6. For next steps, Greg Schock asked the Safety Review Committee to obtain 3 quotes for necessary purchases to implement the approved changes.

The meeting was adjourned at 11:51 AM.

WARBIRDS OVER DELAWARE

30TH ANNUAL
JULY 13-16
2022



LUMS POND
STATE PARK
KIRKWOOD, DE

www.WarbirdsOverDelaware.com

Warbirds Flying 9am to 5pm all 4 days

Breakfast & Lunch daily

Giant Lunchtime/Halftime Show on Saturday

Fun Flying & Mayhem 5pm until dark

Pit Passes available to spectators

\$10 ea (kids free)

Proudly presented by Delaware R/C Club

HORIZON
H O B B Y

Airplane
FUEL SYSTEM

SPEKTRUM
Leaders in Remote Radio Control

- Balsa USA
- Black Bird Finishes
- Demon Cortex
- E-flite
- Extreme Hobbies

- Frank Tiano Enterprises
- J&R Hobby Hardware
- Micro Fasteners
- National Balsa
- Nick Ziroll Plans

- Peter Goldsmith Designs
- PowerBox Systems
- RCplaneWear
- Sierra Giant Scale
- SKS Video

- Sullivan Products
- T&D Bus Service Inc.
- Warbird Pilots.com
- Zap

Vintage Thoughts -By Mike Denest

Early R/C

The early days of radio control was a time of experiment, test, fly, repair, test, fly, repair, and repeat as many times as needed.

The early R/C modelers were mostly electronics technicians and engineers who understood how to apply the technology to control one surface, usually a rudder. Many of the planes used as a test bed were powered free flight models converted to radio control. One example of these models is the brothers Walt and Bill Good design, "Guff", a very large high wing rudder only model that had the ability to carry the payload of the receiver, the batteries to operate the receiver and the batteries to power the actuator that moved the rudder. It was successful enough to win the AMA Nationals radio control competition at Detroit, MI in 1937.



After the war (WWII for you young un's), renewed interest in radio control became popular, using many of the ideas as a result of the technology jump in the development of military electronics and consumer equipment. The hobby manufacturers of the time like Berkeley, Babcock, C.G. Citizen-Ship and many other cottage industry hobby companies produced radio control components you could purchase to install and fly your model. There were experimenters designing and building their own equipment. Many of these experimenters went on to create businesses out of their early work like Phil Kraft (Kraft radio), Bob Dunham (Orbit), Howard Bonner and others. As with any technology, lessons learned are applied resulting in smaller and lighter airborne packages. With the invention of the transistor, many of the gas tubes required for the transmitter and receiver were no longer necessary. The early rubber powered actuators were replaced by the servo which not only made control more reliable but also greatly reduced the weight. As with anything, the cost of a radio system could tax the income of anyone interested in radio control flight. The "reed" radio came of age, permitting the pilot to have simultaneous control (two controls at once) of his model giving him the ability to perform loops, rolls and other aerobatics. The radios available ranged in control from four channel (two toggle switches on the transmitter giving left, right, up and down) up to twelve channels (six toggles). The basic servo was not positional; pulsing the toggle switch gave the amount of control you needed to perform the maneuver. For throttle or flap control, a positional (trim) servo was employed. Because of the high expense of the reed radio system, the manufacturers designed and produced simple single channel radios for smaller powered models for



.020 to .09 engines.

There was a single button on the transmitter; the rudder control sequence was punch the button once for left, two for right and if you purchased an advanced radio, you would punch the button three times for either sequenced throttle control or kick up elevator using a "compound" actuator. Most of these systems could be sketchy in operation as either they would work or they didn't, resulting in the loss of your pride and joy. BTW, ARF was something your dog did. If you wanted to fly, you built your model, usually during the winter months so you could have it ready for the spring flying season.

Single Channel & Multi-Channel TRANSMITTERS With Power To Spare			DEALERS
CS-509 RACCON \$24.50 * Kit \$21.50	CS-512 HAWK \$47.50	CS-510 EAGLE \$64.50 \$79.50 \$89.50	SEE LISTING FOR DEALERS NATIONWIDE COMPLETE PRICE LIST
RECEIVERS Featuring Semi-Multi-Circuitry			
CS-503 LARK \$18.50 * Kit \$13.50	CS-505 FINCH \$18.50 * Kit \$11.50	CS-507 ORIOLE \$29.50 \$49.50 \$59.50	
SUPERHETS			
CS-508 CARDINAL \$39.50 \$49.50 \$59.50			
NEW WAREHOUSES			CUSTOMERS
C&S DISTRIBUTORS 13400-12 SATURDAY NORTH HOLLYWOOD, CALIFORNIA			

Feb 67 RCM Inv C&S Ad

Vintage Thoughts -By Mike Denest - Con't

Don't forget the Vintage and Classics event at Lums Pond July 30th for models designed, built, kitted or flown prior to 1987.

Next month, simple RC and simple models.

FMI: [Radio Control Hall of Fame](#)

[Vintage Radio Control Society](#)

Till then, see you at the field.

Mike

The Delaware Radio Control Club invites you to Antiques and Classics at Lums Pond State Park, Bear DE July 30, 2022*

**For all vintage R/C models designed, built, flown, published
or kitted prior to January 1, 1987****

AMA Sanction#12635. Pilots must present current AMA membership.

Event Director: Mike Denest president@vintagercsociety.org (610)316-3570. Flying site address: 3749 Red Lion Rd. Bear, DE 19701

Lat: 39.55135930246809 Long: -75.73258226054361

VRCS Concours and theme models to be judged per VRCS rules. Open flying all day, competition and awards. SAM planes welcome.**

Pilot registration: \$8 for VRCS members, \$10 for non VRCS members.

Tailgate sale: vendors \$10 registration.

Join VRCS at the event and receive the registration discount.

<http://www.delawarerc.org/>

<https://vintagercsociety.org/cms4/>



*This event may be subject to Presidential TFR. Check <https://tfr.faa.gov/tfr2/list.html> before attending or contact the Event Director for status.

**See <https://vintagercsociety.org/cms4/> and <http://www.btemodels.com/vintage-resources.htm#kitlist>

The NEW Toledo Show - April 1 and 2, 2022

by Richard Rizza

In recent years, mainly since the FAA started to harass our hobby with their passion to regulate a non-existent problem, many of our long running and popular Hobby shows, East coast and West coast as well as the amazing original Toledo show, have shut down operations. When it happened in Toledo, many of the locals who had been responsible for the show decided that the show must go on. After, I believe, a one year hiatus, they organized a large swap meet in the same location and it was a success. This year was the 2nd show, and although I was not a likely attendee, the AMA was participating and they needed their huge Simulator trailer moved from Albany, NY, to Toledo, OH, and I was the designated volunteer to drive it. I coordinated with AMA headquarters and Area 2 Vice President Eric Williams to get it done. Since Eric was going to Toledo with his own car and trailer to vend, we caravanned, leaving on March 29th. I parked my car at his house, he drove me to the rig, and off we went. We spent a night in the Erie PA area and made it to the Seagate Center early on Wednesday the 30th.



The hall was mostly empty and we were able to drive in. Eric unloaded his wares. I helped him do that while the place to leave the AMA trailer was decided. My final AMA duty was to position the trailer and then drive the tow vehicle into the underground parking garage.

The actual show was scheduled for Friday and Saturday but the place was hopping on Thursday as mainly local people and dealers set up. There was quite a bit of wheeling and dealing done on Thursday between the participants, but by Friday morning things were pretty settled and the public was welcomed. Although many of the big names like Horizon were absent, there was a definite presence of dealers including Hobby King, B&B enterprises, Micro Fasteners and others. Two large rooms were dedicated to sellers and there was a third room for indoor flying to take place.

I spent most of my time manning Eric's tables while he was circulating, but also found plenty of time to circulate myself. I had no plans to make any purchases, but I did anyway. I bought some hardware, some multi servo connectors and some T shirts, as well as a NIB Freewing AT6 and a small HO train set.

Friday was the busiest day and I kind of felt sorry for the folks who couldn't make it till Saturday as a lot of stuff was gone by then plus a lot of the dealers, us included, were breaking down and packing up.



The NEW Toledo Show - April 1 and 2, 2022 - Con't

We left Toledo Saturday afternoon and drove to the Buffalo area where we spent the night. On Sunday we attended the long running RC Aircrafters 58th annual auction. At that auction, I bid on many things and the deals were REALLY good. I was mostly bidding for fun, but I did manage to snag 2 good deals-a VQ 40 size P 39 and an early 25 size sport model which I still don't know exactly what it is. Either a mini Kaos or Dirty Birdy, complete airframe with 4 servos very nicely built and bought for \$9. The P 39 was complete, RTF, just add fuel with a 4 stroke motor and I paid \$105 for it. I flew it recently and it was excellent! One other thing I purchased was a Saito Golden Knight 80 size 4 stroke for \$80.

We left the Buffalo area later that afternoon and made it back to Eric William's home in Schenectady around 9pm. That's where my van was parked. I tossed my stuff in it and looking forward to sleeping in my own bed that night I made my goodbyes and got to my trailer around 11.

All in all it was an excellent adventure and I had a great time. I had the fun (!!??) of driving the AMA rig and got to enjoy the new Toledo show without having to pay for gas or hotels! Best of all I got to spend time with and get better acquainted with my friend Eric and meet a whole bunch of new people, as well as come home with new toys!

I made a walk through video of Toledo, as well as a slide show of Toledo AND the RC Aircrafters auction. Enjoy!

<https://www.youtube.com/watch?v=jUgcuYNhdJY> Toledo walk thru

<https://www.youtube.com/watch?v=XYSuGKbRChk> Toledo Slide show

<https://www.youtube.com/watch?v=xwQFhHFG8pU> RC Aircrafters slide show

https://www.youtube.com/watch?v=yieGN_lvZTg VQ P 39 Maiden (to me!)



Photo by Sam Winder



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From the Editor

If you would like to submit an article, photos, suggestions, hints/tips/how-to's, or anything else for the Club Newsletter, please email your submission to news@delawarerc.org

Call for Volunteers for R/C Flight Instruction

The Club is in need of additional volunteers to assist with R/C Flight Instruction for Fixed-Wing, Rotary/Heli, and Drone aircraft. If you can assist with this important Club service please send an email to info@delawarerc.org and let us know how you can assist.

Useful Links

Club Website <http://delawarerc.org>

Academy of Model Aeronautics <http://www.modelaircraft.org>

Academy of Model Aeronautics National Model Aircraft Safety Code <http://www.modelaircraft.org/files/105.pdf>

AMA Media Room <http://www.modelaircraft.org/aboutama/mediaroom.aspx>

FAA Registration <https://faadronezone.faa.gov/#/>

FAA TRUST Test <https://www.modelaircraft.org/trust>

FAA NOTAMS/TFRs <http://www.modelaircraft.org/membership/clubs/notams.aspx>

B4UFLY Mobile App https://www.faa.gov/uas/recreational_fliers/where_can_i_fly/b4ufly

Photos by Sam Winder <https://winder.smugmug.com/Sports>

Glitch Busters

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www.delawarerc.org

President: Greg Schock

Vice President: Dave Moyer

Treasurer: Michael Denest

Secretary/Newsletter Editor: Rob Pleasanton

Safety Officer: Mike Watson

Club Contact: info@delawarerc.org