



DCRC Club Newsletter

Volume 53, Issue 10

October, 2007



War Birds over Delaware

On Left, Paul Letourneau builder,
Leon Shulman AMA Hall of Fame, and his son Don Shulman

See story on page 2



DCRC Club Meeting

October 19, 2007

Montgomery County Council building

100 Maryland Ave

Rockville, MD 7:30 PM

Meeting program By Andy Kane

Tucson Aerobatic Shoot out Photos

Elections and raffle

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 County Liaison: Jim McDaniel

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Visit us on the web: www.dc-rc.org

Did you know that any airplane brought in to the model shop will receive 3 free raffle tickets. Bring in your models each month for your free tickets, and to share ideas.

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COVER WAR BIRDS OVER DELAWARE

PHOTO BY PAUL SFORZA

War birds over Delaware

Lum's Pond State Park, Delaware

By Paul Sforza

Mention the word "Warbird" to an aviation enthusiast, and you'll often be greeted with an exciting discussion on aircraft, manufacturers, theaters of operation and pilots. Although the term originally implied piston driven aircraft from the World War II era, it is now often extended to include all military aircraft, including jet powered aircraft, that are no longer in military service.

If you are into Warbirds, especially Giant Scale Warbirds, then mark your calendars for the first weekend after July 4th. This is the weekend that the Delaware R/C Club (<http://www.delawarerc.org/warbirds.htm>) hosts their annual Warbirds Over Delaware Fly-In. It is one of the largest Giant Scale Fly-Ins on the East Coast. This past July it was held for four days from Thursday July 12th through Sunday July 15th. I drove up on Saturday and spent the entire day as a spectator. If you pay \$10 you can get a flight line pass which allows you to stroll the flightline and soak up the hundreds (yes hundreds) of beautiful scale aircraft. Some of the highlights included Paul LeTourneau's huge 1/5th scale B-26 Marauder, Greg Hahn's gorgeous B-17 and B-25, Mac Hodge's 94 pound B-29 (16 foot wingspan), Carl Bachhuber's Constellation and Dave Malchione's F-4 Phantom. Seeing Paul's massive Marauder take to the air accompanied by Greg's B-25 was a real treat. Paul's Marauder is scaled up from the Jerry Bates plans and if I recall correctly it weighs somewhere around 90 pounds. Paul usually has a different aircraft every year, and his P-61 Black Widow from prior years was even more impressive than the Marauder.

Besides getting to walk the flightline and see some gorgeous examples of scale modeling up close, you are

also treated to an extremely active flight line. There are planes in the air all day. Several vendors are also well represented (i.e., Sierra Precision, Precision Cut Kits, Vailly Aviation, Wingspan Models, etc.) and makes for a nice diversion from the flightline. For those who are not familiar with Sierra Precision, they manufacture some very robust, well engineered landing gear. While talking with Darrell Tenny (the owner) I got to see his new scale F8F Bearcat landing gear (for 86" wingspans). These are absolutely his most impressive offering to date. The gear are fully articulated and wonderfully engineered. From what I understand he will be offering a scaled down version of the gear for the Bates 80" Bearcat sometime around the end of the year.

Another treat was Roy Vaillancourt's 1/5th scale Hawker Typhoon. I must say, the Typhoon and Tempest are probably two of my favorite WWII warbirds, and Roy's rendition definitely captures the aggressive, bulky look of the original. I got to speak with Roy at length about the Typhoon and his other designs. For those interested, Roy's next design is a Fairey Firefly. He has been collecting data and working on this design for several years so it should be awesome when he finally releases it.

Finally, I got to speak at length with Robert Caso (the owner of Turnkey RC) about his beautiful Fieseler Storch. I've never been a huge fan of the Storch, but his rendition definitely caught my eye. It was painted in a German North African desert camouflage and was very nicely weathered and detailed. This is Robert's own design, and will be offered as a laser cut kit with accessories.

So if you are into Warbirds, and would like to experience lots of them in a friendly, informal atmosphere, put Warbirds Over Delaware on your calendar for July, 2008.

September Club Meeting Minutes

BY DOUG HARPER



The September meeting was called to order by President Andy Kane at 7:35PM. Andy called for introduction of any visitors or new members. None were present but Andy Finizio mentioned that Andy Herold, who lives in Florida, has just joined the club. Jr Lopez from Puerto Rico was introduced as a guest. Jr is staying with Andy Kane until he returns to Iraq where he flies UAVs. Andy thanked Dave McQueeney for sitting in in his absence last month.

Old Business: None.

New Business: Maynard Hill gave a political speech recommending we vote for Dave Mathewson for AMA president.

Events: Ed Leibolt reported on this summer's student camp. The camp went exceedingly well, only one plane was lost, and everyone was able to fly quite a bit. Don Gray gave a lecture on flight. No injuries were incurred among the students. There were plenty of instructors who are to be thanked for their help.

Jay Stargel discussed his electric flyin that was held on August 18. We had 20 registered flyers. Weather was a bit windy which might have held a few people back. Andy did a great job on the food and everyone had plenty to eat. All in all, a successful meet was held. Next year we might advertise a little more to get a larger turnout. Thanks to Jay for CDing this event.

Jim McDaniel reported on the Bealeton Flyin that was held this past Sept 7-9. Andy Kane was thanked for doing the background work. Jim stated that this year's Bealeton was one of the best ever. A visitor from Ohio felt that our Bealeton event is akin to the Joe

Nall flyin from 20 years ago (before it grew to giant proportions). Bealeton has been going on for 31 years and we had 60 registered pilots and over 120 airplanes. Jay Stargel cut the grass to a perfect height. The weather was great if hot. Thanks to all who helped set up and run this event, especially the McDaniel family. Also, many thanks to the Bealeton Flying Circus who provide the best venue you could have for a flyin. The good news is we made money this year. Bliss Teague, our AMA District VP, was in attendance and very praising of the event. Jim is already planning for next year.

Andy Finizio introduced Octoberfest which will be held next Saturday, 10AM, on Sept 29. Everything will be free, including the raffle of a Spektrum radio. Food will be provided by Andy Kane who has been instructed to make it "real good". Family members are invited.

Charlie Calvert was looking on the Internet for a part for his washing machine and apparently typed in the wrong word. Much to his surprise, he was taken to a web site showing a collection of old model paraphernalia that a fellow is selling. It spans the gamut of items from models to engines to radios. Charlie found this site fascinating and recommended others take a look. www.collectair.com is the site.

Other coming events are the PGRC IMAA Giant Flyin on Saturday (tomorrow) and Warbird Flyin on Sunday. Fredericksburg has a flyin next weekend.

Board Nominations: Four board members are going off the board: Mike Dooley, Nir Schweizer, Dave McQueeney, and Mike Peizer.

Nominations for next year were Dave McQueeney, Mike Dooley, Nir Schweizer, and Mike Peizer. Charlie Calvert moved nominations be closed.

Training Day: Please come out tomorrow for training.

Field: The parks department is going to hold two managed deer hunts on Nov 10 and Dec 1. We are allowed to be in the park but will keep the gate closed and should be careful not to go into the woods.

Raffle: Raffle tonight is an Eflight Extra 260 3D 480. A ticket were pulled by Russell McQueeney and the winner was Paul Savage. Paul donated his prize to Andy Finizio to be used for Octoberfest. Much applause ensued.

Maynard Hill Presentation: Right after his ocean crossing feat, Maynard thought about what he would do next. He decided to build an airplane that would run for two days to try to beat his current record of over 38 hours in the air. The FAI record dictates an 11 pound airplane (wet) and a 10cc engine. After much debate with his team, Maynard decided to go after the record last Sunday. He launched at 4PM that afternoon. The airplane has a direction finder on board and tracks to a ground beacon. The pilot tries to monitor the plane and give small trim changes as needed. The plane flew all Sunday night and thinks looked good. With dawn, the air started to get a little more turbulent and the plane started to climb. It was brought back down but it kept climbing and diving. At 4:23PM it started to dive and unfortunately the wing let go. There wasn't much left to say grace over. Even though Ron Bozzinetti was the "pilot", Maynard decided to give him a peach pie for being a "peach of a guy". Last Thursday with the help of Paul Howey, Maynard launched another of his mod-

(Continued on page 4)

els to study the climb and dive characteristic. Just when thought he had this situation under control, the plane went into a spiral dive and another wing broke. Maynard has a third model (with a stronger wing and longer chord) that he will use to further his studies. He is currently in the process of making changes to this model. Maynard hopes to make another attempt before cold weather sets in. Maynard has had a lot of help from Ron, Roy, Jay, Paul, Les and others and expressed his thanks to them.

Model Shop: After flying park flyers for several years, Eric Wallgren built a Dynaflight Super Decathlon. It weights about 8 lbs without engine and is covered with Sig Coverall. He plans to put a G38 in it and it should fly well. He plans to use acrylic enamel for a finish after coats of nitrate dope.

Program: The program tonight was provided by Dave McQueeney. After many questions at the field, Dave felt he would give a presentation on sizing electric power for different aircraft. Electrics have progressed greatly over the past 10 years. Batteries have improved dramatically and motors have changed from brushed to brushless. Electrics were heavy, slow and not much fun back then.

People are moving to electrics due to noise problems, due to better reliability (especially for multiengine), and for unique applications such as ducted fans. RC modelers clearly are benefiting from the computer and telecom industries. LiPo and LiMn batteries were developed for phones and laptops. Brushless motors were developed for CD-ROM drives.

Brushless motors are 3phase variable frequency AC motors that come in a wide variety of sizes. Lithium Polymer batteries have very high power density, come in flexible form factors but do have some user is-

sues. LiPo batteries have to be handled very carefully. They must be charged with a special charger or they can catch fire or even explode. LiMn batteries are much safer.

Converting glow/gas power to electric is now viable. Typically, electric will outperform glow/gas engines. Conversion is limited more by cost than by available technology. Dave demonstrated a modeling software package called ElectriCalc that he has been using. Dave also discussed "rules of thumb" that he has found from various articles. He uses the following steps: determine wing loading, determine watts/pound for a given performance (sport versus aerobatic), determine cell type, compute number of cells, find a motor that fits, find a suitable battery, and use the program to confirm that power, weight and cost are within limits.

Dave then demonstrated various tools he uses to check performance. He uses wattmeters and other measuring aids to validate the power he expects to get. You can even downlink power usage in the air to a ground unit. Dave then presented three examples to demonstrate how he sized electric power to various types and sizes of aircraft.

In summary, there has been a quiet revolution in electric flight over the past 10 years. We have been able to exploit the advances in the computer industry. Batteries are still the limiting factor in the technology. Even the jet guys are now looking at electric power.

The meeting was adjourned at 9:30 PM.~

Managed Deer Hunt

NOVEMBER 10th 2007 (Rain Date November 16th 2007)

DECEMBER 1st 2007 (Rain Date December 15th 2007)

Reminder: Field can be open to members provided the entrance gate is closed behind our entry to the Flying Field and that NO ONE goes into the woods or fields without the Officer on Site approval!!!

Jim

Andy: please mention the Warbirds Over Virginia Giant Scale Warbirds Fly-In, Friday Oct 5 - Sat, Oct 6. The location is the Greta Radio Flyers field, about 35 miles north of Danville. 80"/60" rules apply. 900 x 100 turf runway.

More info and directions at <http://giantwarbirds.org/page4.html>

thanks!

Chris

The annual NVRC Fall auction is scheduled for Oct 21st (Sunday) at the Vienna Community Center. Doors will open at 8:00 AM and the auction will run until all items are sold. There will be a fixed price table for smaller items. I've attached a PDF file with a flyer. You have been very helpful in the past getting the word out to DCRC. Hopefully, I'm early enough with this notice so you can let your club know via the Sept meeting and newsletter. I appreciate your help in the past and hope you can help this time.

Ken Bassett

Schedule of Events

Also on the web
www.dr-rc.org
 Then click Events

- 13 DCRC Training at the Walt Good R/C field
- 19 Club Meeting Elections
- 21 NVRC Auction, Vienna VA
- 24 DCRC Board Meeting Andy Kane Host Officer election and appointment
- 27 DCRC Training at the Walt Good R/C Field

October 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13 Training
14	15	16	17	18	19 DCRC Club Meeting	20
21 NVRC	22	23	24 Board Meeting Club	25	26	27 Training
28	29	30	31			

Calendar of Events

October 2007

- 3-7 Tucson Aerobatic Shoot out, AZ
www.desertaircraft.com.
- 13 DCRC Training Mike Peizer, Germantown, MD
- 19 DCRC Club Meeting/Andy Kane will provide the Meeting program will be: Elections The Raffle will be:
- 24 DCRC Board Meeting/Andy Kane
- 27 DCRC Training Mike Peizer, Germantown, MD

November 2007

- 1-4 14th Florida Int'l Jet Rally
 FL
- 3 Frenzy at Free state
 MD
- 10 Managed Deer Hunt field closed to the public but open for flying.

- 16 DCRC Club Meeting The Meeting program will be: The Raffle will be:

December 2007

- 1 Managed Deer Hunt, Field closed to the public but open for flying.

2007 BEALETON FLYIN

By Doug Harper

Well, another Bealeton Flyin is in the record books. We have been privileged to host our premier DCRC event at the Bealeton Flying Circus for close to 30 years. We owe many thanks to



Pilots meeting Run By Jim McDaniel

the good people who run the Flying Circus for their continuing hospitality.

If there is a better place to have an IMAA flyin, I haven't seen it. Having the full-scale Stearman biplanes, Waco and L4 Cub as background, often taking off and landing, while we



McDaniel's Crew

fly our models is hard to beat. This year we had three absolutely beautiful days of warm, sunny, low wind



Allan Hoffman Getting his Stearman ready

weather.

Many thanks are due to the McDaniel Family, Kim and Jim, as well as children and various friends for all the hard work that they provide to run this meet. Also, Andy



AMA District VP Bliss Teague and

Kane does much of the background work leading up to and during this event. Of course, there are many other DCRC members who help out over the entire event. Our Club should be proud to represent our hobby to other modelers and the many members of the public over the three days. We do ourselves proud. Bliss Teague, our AMA District IV VP, was



Stearman's on the flight line

in attendance and very complimentary to our Club.

Andy Herold, our friend from Florida, counted more than 105 models on



the flight line. I am sure there were other models that never made it out of



the van or trailer. I believe there were perhaps 60 pilots registered this year making this event one of the larger ones in the area. Our reputation



Great Shot!

is known far and wide among the modeling community. The pilots in attendance especially appreciate the laid back approach we take with the emphasis on having fun.



Goony Bird C-47 flown by Andy Kane

There were many types of aircraft from all eras represented. As you can see in the accompanying pictures, everything from Stearman to Cubs to warbirds to jets was in the air all day



long. I don't believe the sky was ever quiet the whole time. Fortunately good courtesy prevailed and there were few incidents and no frequency problems.

On Saturday night we had our traditional pork barbeque cookout in the woods provided by Hog-Wild. Great food and even greater camaraderie. The Club auctioned a very nice GPS unit as well as a Stearman ride and a \$50 gift certificate from a local hobby dealer.

I would like to relate a learning experience I had this year. I have been the lucky owner of one of the beautiful 1/4 scale Stearman built some years ago by Marion Mecklenburg. These planes were built after full-

scale Bealeton aircraft and are truly beautiful. They fly as good as they look and are always crowd pleasers. I have struggled with a persistent radio interference problem ever since I acquired my Stearman. I tried many different radios, shielding of wires, isolation boxes, new servos, etc. You name it and I tried it. While I often thought I had licked the problem, it kept coming back. I guess those flying wires are just tough to deal with.

This year I sure enough started having problems with flitching again. I just didn't want anything bad to happen to this wonderful plane. I received many ideas and much help from other DCRC members but nothing seemed to work. Finally, Andy Kane offered to install one of the new Spektrum receivers and the use of his JR 10X transmitter with the Spektrum module. I had two successful flights with absolutely no glitching! I believe my problem is cured. Many thanks to Andy and I now am a believer that the new spread spectrum 2.4GHz technology is for real and very solid. It certainly has worked for me. I will be using one of these radios in the near future.

DCRC should be proud to be able to host such a wonderful event. Many thanks again to all who helped put this event together. Here's looking forward to doing it again next year.

War Birds over Delaware
Photos by Paul Sforza



Another Bealeton fades off into the sunset



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