

November 2010

AMA #197 / IMAA#687

Glitch Busters

Delaware R/C Club, WWW.DelawareRC.org

Prez Sez



Next Club Meeting:
November 2nd at
7:30PM

- Location:
Newark Senior Center
- Next Club Event:
Elections—Nov 2

The next meeting is for election of officers. As it stands now, Mark McQuaide and I are the only nominees. If that's what you want, we will serve another two-year term. Nominations are open until the vote is called.

Dues are payable for 2011 with a \$5.00 discount if paid before Jan 15th. Dick Stewart will maintain the roster and he and the club officers will distribute membership stickers when you have your 2011 AMA card.

Annual passes for the park go on sale on November 26th and can be purchased online at

<https://egov.dnrec.delaware.gov/egovpublic/dnrec/disp?doc=publicsubmenu&op=prlicense> after that date.

The pavilion needs to be wrapped for the winter. See Dave Moyer or Greg Schock to offer your help with this task.

The Auction is November 6th. Bring stuff to sell or cash to buy. The auction will start with the sale of Frank McFoy's Collection of planes.

Remember that there is a "No-Fly Zone" between the fixed wing and heli flight lines. This is meant as a buffer to avoid collisions and distractions. We have noticed that both lines have been crossed lately. The only reason to be in the zone is in case of emergency.

There have been a few cases of non-member/ non-AMA individuals flying at the field. The best way to ensure that all flyers are members is for all of us to display our AMA cards with the club sticker. We have a new batch of card holders that can be pinned to your clothing or hat or hung around your neck. Non Spread Spectrum pilots must put their cards in the frequency control slot and attach a pin to their antenna.

Inside this issue:

Prez	1
Minutes	2
Weather	3
New Things	4

October Meeting Minutes:

General membership

Delaware R/C Club

--The meeting was brought to order at 7:30 by president John K.

Show and Tell

--Howard Smith is working on a Stinger 120 and he brought the rudder to show us what the decal system looked like he was using and how it worked.

--Paul Bryk had some parts left over from a EFlite SE-5A that he offered to anyone who might want them for some spare parts for their plane. Call Paul if interested

--Stan Michalski brought a Mini Delta he has been working on to show the club

New Business

--Treasurers report was given By Treasurer Mark.

--Discussion was held on the Crab Grass problem that is developing on the field.

It was decided that if manpower permitted that we slit seed the field this fall.

-Dick Stewart pointed out that Sunday in Delaware was coming up Oct 17th.

--Propeller safety was once again discussed. After muck discussion it was pointed out that keeping your fingers out of a propeller was the best way not to get them chomped.

When the battery is connected to the controller their is a chance the electric motor might start.

--Stan Michalski spoke again on the importance to a preflight check. He pointed out that at a minimum a battery capacity load test should be done and a pull test on all control surfaces.

Old Buisness

- Nominations were opened for Treasurer and President John Kirchstein was nominated for President

-The auction is fast approaching. November 6th will be here before you know it and Dick Stewart spoke on his manpower needs and a little about the logistics of the event. Lewis Swab will be there this year and our good friend Lynn from MPI will not. Dick also asked for someone to step forward and help him sell Frank McFoy's stuff. If you intend to help out at the auction be there at 8:00 am Sharp.

-The Warbirds date has been set and it will be sanctioned from Thursday to Sunday July 13-17, 2011.

--We have a flyer in the club that is in need of sitting down when he flies; discussion was help on how to accommodate him.

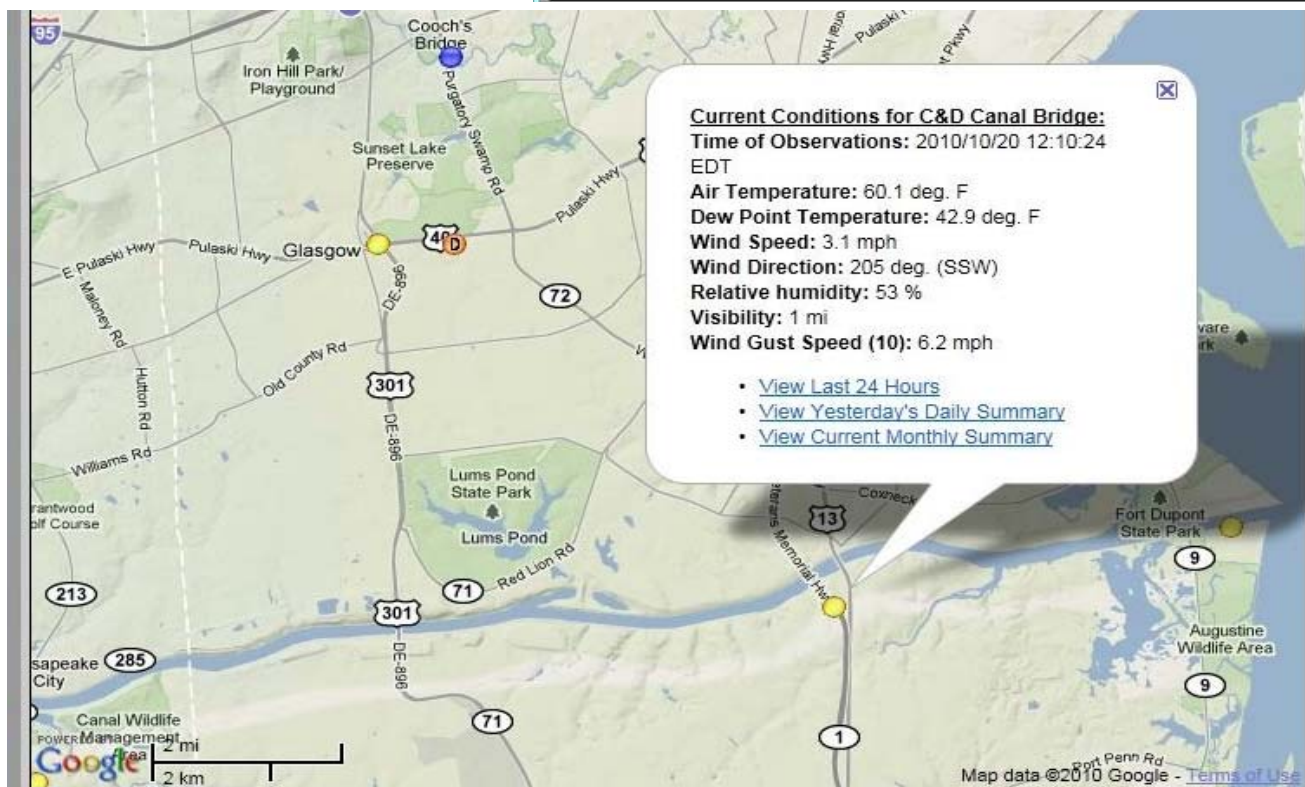
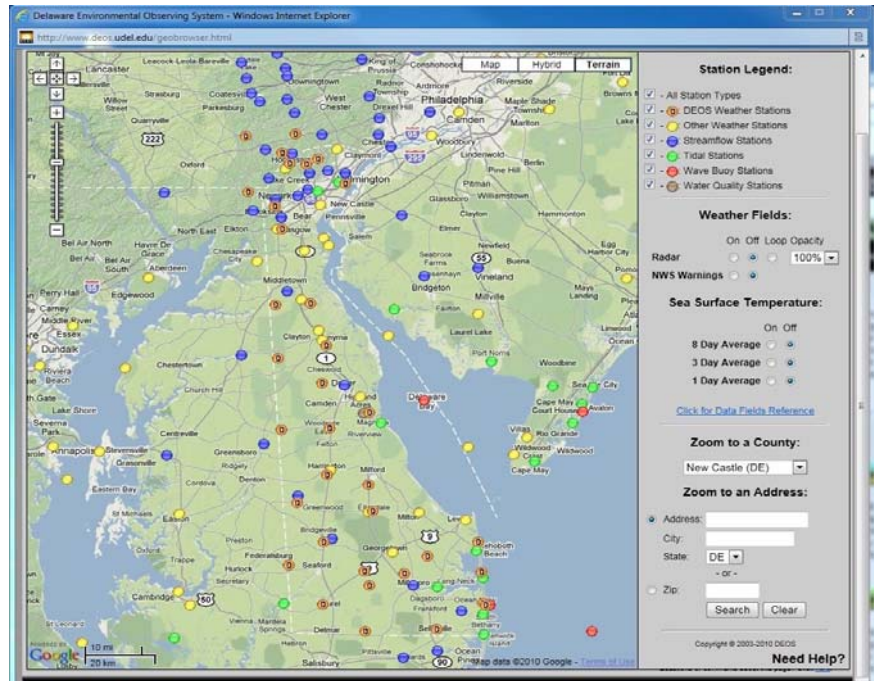
The meeting was adjourned at 9:15 PM by President John K.

How's the Weather?

Don't want to risk a trip to the field without knowing the weather there? Delaware Environmental Observing System (DEOS) has stations all over the area.

<http://www.deos.udel.edu/>

The GeoBrowser is a tool that provides users a way to access DEOS data through a geographic framework. In the GeoBrowser, you can select stations to see current conditions and access daily and monthly summaries. You can also view the latest weather radar and warnings from the National Weather Service.



The nearest stations to Lums Pond are at the intersection of 301 and 40 and at the C&D Canal Bridge. Click on the station for information, updated about every 5 minutes.

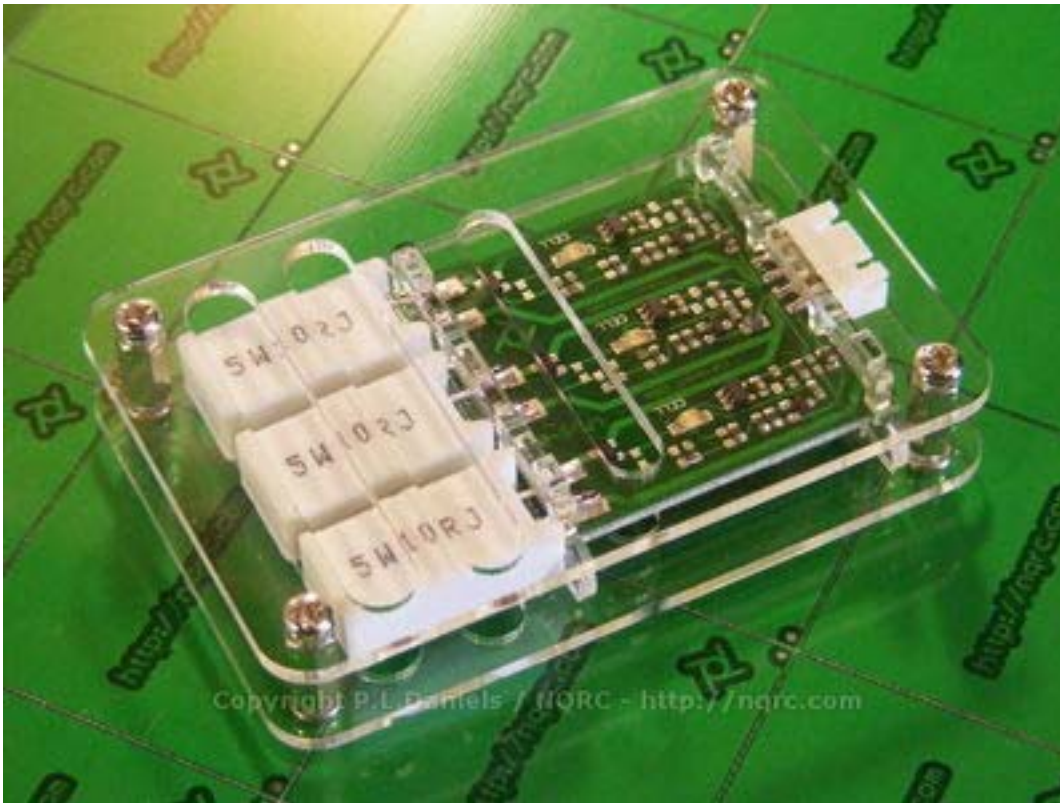
New stuff I like

Terry Blanch

Help me help you. Collectively we all stumble upon new products that all make flying more fun, safe, comfortable and affordable. Please send in your suggestions for this column. All that is needed is a brief description, source and pros and con, or why you like the item. It can be commercially available, homemade or modified. This month I will get things started.

Battery discharger for safe lipo storage. <http://nqrc.com/?vp=PLD-LN3S-01>

This is the easiest device to use for storing 3 cell packs with the JST XHT connector. It will not over discharge your pack. It will get hot. I like to set it on a ceramic tile for safety.



It will discharge each cell to 3.83 volts and then disconnect from that cell. You can make adapters to discharge packs with other types of connectors. You can also make adapters to discharge 1 cell or 2 cell packs. It is well made down under. If any one finds a US supplier, please let me know.

Exceed RC Monster Power motors. <http://www.hobbypartz.com/mopose.html>

These motors are great performers. I am using a Monster 32 in the Multiplex Mentor spinning a 15 X 8 APC e prop with a 3 cell 4000 maH pack for training and Aerial Photography. The Mentor climbs to altitude in less than one circuit of the pattern and with throttle management, flights can approach 15 minutes. On a touch and go, the plane takes off in about six feet. The motor will get warm after several touch and goes, but this is acceptable. Great replacement for any application requiring an Eflite power 32. Check out the price.



My big stick .40 has been converted to electric using a Monster 46. This plane is a work in progress and more testing is needed. The gear is too short for the prop needed with the pack used. So more cells will be added and more tests run. Future issues will have the results. Initial tests are very good.

Castle Creations ICE electronic speed controls http://www.castlecreations.com/products/phoenix_ice.html

Total package with awesome features and great support makes this product stand out. Yes it is expensive, and I am happy with cheap ESC's. But for me this speed control has the tools to make flying powerful electric aircraft easier, safer, more fun and even scientific.

ICE Lites handle up to six cells, ICE (heavy) handle up to eight cells and add a cool green heat sink. Currently I have three. Ice lite 50 amp in the Superlark providing electrons to an AXI 4120-18 spinning a 12 X 8 APCe prop on six 4000 Mah cells. The controller's data logging features have allowed me to fly the plane while monitoring the power system. I found that most of the flight time the system is pulling only 12 amps. My data shows that I can prop up for more power of use smaller batteries for a lighter plane. Maximum amps was the same as my watt's up meter showed but the addition of the flight data showed me an active representation of all electrical parameters during flight.



The big Capmaniac also has an ICE controller. In this plane the data allowed me to create a power system that is safe, sane, easy on the components and still pulls the plane straight up after flying for eight minutes.

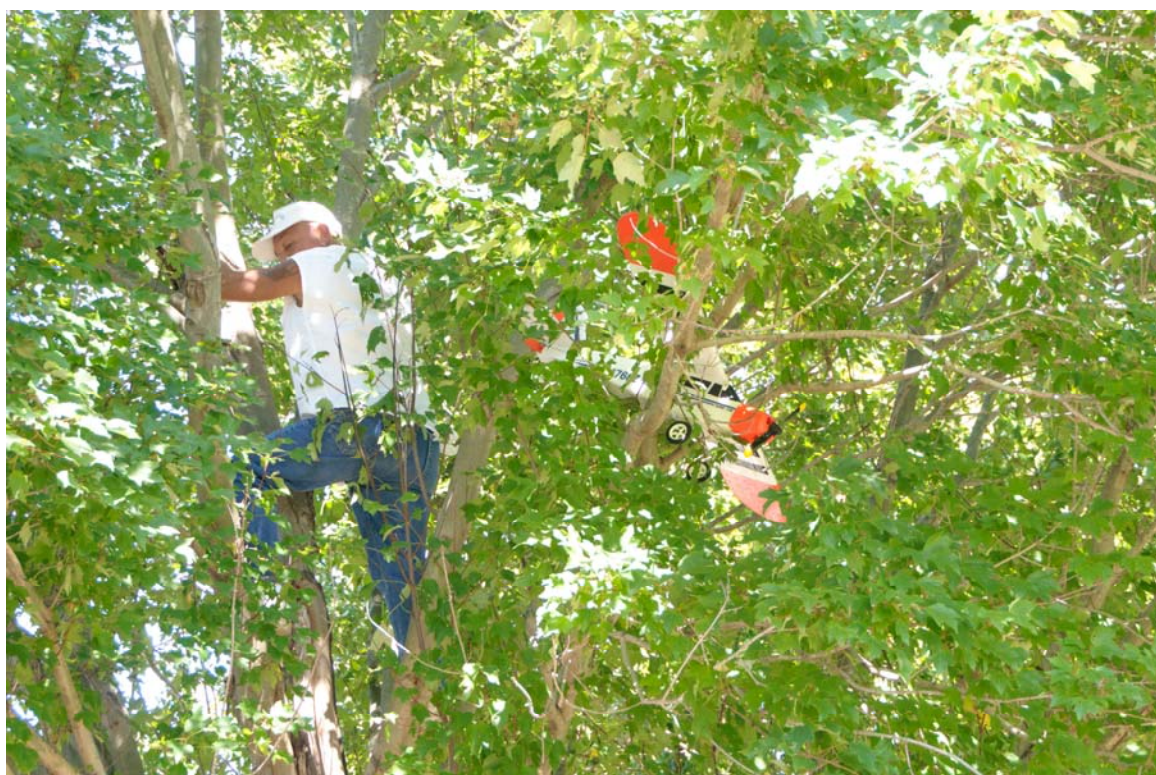
Remember if you are not using your LiPo batteries, discharge the to storage voltage 3.83v per cell. I keep mine in the basement where it is cooler.



Fall Colors



Stan's Boomerang









President: John Kirchstein John@kirchstein.net

Vice President: Greg Schock dadschock@msn.com

Secretary: Stan Michalski stan.michalski@delmarva.com

Treasurer: Mark McQuaide markmcquaide@verizon.net

Safety Officer: Preston LeSage phlesage@comcast.net

N/L Editor: Terry Blanch bttlighstarview@comcast.net

Delaware R/C Club, WWW.DelawareRC.org

Glitch Busters is a monthly publication of the
Delaware RC Club

Set Your Course for Upcoming Club Events	
Saturday, November 06, 2010	Club Auction
Saturday, January 1, 2011	Freeze Fly

Additional Waypoints of Interest	