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AMA Club Charter #2988

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<http://www.downeastsoaring.org>

December 2012 issue of the DSC's "Quiet Happenings" Newsletter

Downeast Soaring Club Upcoming Events

Event	Date	Time	Location
DSC Christmas Meeting	Saturday, 12/15/2012	Door open at 9 AM, 9:30 AM Business meeting; 11 AM Show & Tell	Topsham Public Library: 25 Foreside Road, Topsham, ME
January 2013 DSC Business Meeting	TBD (Watch your e-mail) Usually 2 nd Saturday of every month during the winter months	TBD (Watch your e-mail)	TBD (Watch your e-mail)

Note: #1 Change to an event will be announced by e-mail and posted on the DSC web site as soon as it is known. Check your e-mail before coming to a DSC event.



MEMBERS PRESENT AT THE 10/6/2012 MEETING

James Armstrong, John Cheetham, Bob Berry, John Seredynski, Glenn Collins, Mark Higgins, John Emery, Paul Johnson, Steve Everett, Dick Rosenberg and Symon Rankine.

Symon Rankine joined the Club over the summer but has been away working and only knew some to the members that flew on Wednesday night. So he was asked to introduce himself and tell the members what interests him.

Guest. Jamie Conti attended as a guest. He met a couple of the Club members (Steve E. and Glenn C.) while they were sloping at the Eastern Promenade. He fly's gliders and loves to slope.

TREASURES REPORT:

- Treasurer John Emery provided the DSC treasurer's report.
- Checking 217.55. Current deposits brought it up to \$247.55. \$25 in share account.

SECRETARY'S REPORT:

- DSC Secretary Michael Farnsworth was unable to make this meeting:
-

OLD BUSINESS:

WEDNESDAY DSC BUILDING SESSIONS:

Background: Bob Berry invited club members to his house on Wednesdays during the winter to do some socializing/building like we did last year. We could do most of the meetings at Bob Berry's house but also go to other people's houses, if invited. Last year John Cheetham, Frank Bennett and Charlie Kerr invited members to their house. Example of reason for meeting would be to build a Frogs, scratch build Eagles, Yardsticks, Polaris, Mako Shark, etc. Maybe we could build one Frog to sell to raise money for the Club.

Update: Talked about the Wednesday building sessions we had at Frank Bennett's and Bob Berry's house. Subsequent to this meeting we got together at John Cheetham's house to cut some solid core wings for his Eagle. You can see in the picture on the right how we glued the solid pink foam wing right on top of the Blue



fan fold wing bottom. The bottom has the front angles and the rear has the trailing wing feathers. The left wing needs the end of the wing trimmed and the correct angle for the wing tip feathers cut in.

1. Picture 1 (left top) shows the foam block cut to planform with a metal template tapped and pinned to the end. Another metal template is on the other end of the foam block.
2. Next you see Tim will pulling the wing through a hot wire. He has a nice touch
3. Forrest Sumner, Tim Will, John Seredynski and Dick Rosenberg inspect the finished product.
4. Jim Armstrong and Dick Rosenberg apply some Gorilla glue. We used the wood pecker tool to put holes in the foam, which actually make glue rivets.
5. Finally Jim and John Cheetham are holding the angle jig in place, while Tim will cuts the end of the wing to the correct length and angle.

OFFICER ELECTIONS FOR 2013:

Nominations for 2013 Club Officers were opened again. Only current officers were interested in running for any of the positions. Elections will be closed at the December meeting. If only current officers are nominated, then one ballot for current slate of officers will be cast and voted on.

NEW BUSINESS:

YANKEE SWAP:

Club decided to have a Yankee SWAP at the December meeting. Note: Subsequent to the meeting Jim sent an email to all current members.

Reminder: Club decided that at the December DSC meeting we will have a Gift Exchange, just like we have done many times in the past. The cost range of a present is \$5.00 to \$10.00; but can be more if you want. So if you bring a present you can exchange for a present. We have a lot of laughs.

BOWDOIN FLYING FIELD:

Questions on the use of the Bowdoin Flying Field came up. For \$15 a year you can use it anytime the rules allow. Non paying members can use it if DSC has permission to hold a meeting there or a Fun Fly's like we have in the past. Forrest Sumner who controls the field is anxious for us to get some gliders ready for towing up. His powered plane is ready. It has a tow line release ready to go. Now all we need is gliders with nose released. I told him that during the Wednesday winter get get-togethers we will put some tow releases in.

INDOOR AND FLIGHT DEMO UPDATE:

DSC member and BAM VP Paul Johnson mentioned that the indoor rubber guys may get permission to use the Woolwich gym. He also told us what he knew about the possibility of BAM putting on RC Flight Demos at Togus.

DSC 2012 DUES:

Here is the info on ways to pay DSC dues while our Treasurer John Emery is wintering in Florida:

1. Cash: \$12.00 to DSC Treasurer John Emery or James Armstrong. See Note #1.
2. Check: \$12.00 check **made out to** "Downeast Soaring Club". Check can be delivered in person or mailed to (~~DSC Treasurer, John Emery, 59 Andrea Street, Topsham, ME 04086~~) DSC Acting Treasurer, James Armstrong, 292 Foreside Road, Topsham, ME 04086. See Note #1.
3. PayPal: \$12.50 PayPal payment to Downeast Soaring Club account at downeastsoaring@comcast.net. See Note #2

NOTES:

Note 1: One of the rules of the Topsham library is "The Conference Room may not be used to ... exchange money or other property..." end quote. Therefore, at the Topsham Library, dues may only be paid before or after the meeting in the parking lot.

Note 2: PayPal charges DSC a fee for every \$12.00 received. This fee amounts to 67 cents, so to off-set this cost, the club has decided for those using PayPal, the dues will be \$12.50. This seems to be a reasonable added cost for members to use the convenience of PayPal if they wish to do so. This PayPal account) is used exclusively for DSC funds.

BLACK WIRE CORROSION (BWC):

Causes of Black Death of wires. DSC Safety Officer John S. said composition of battery cells. If you find black on any part of your wire, don't use the wire. Replace the whole wire.

John Sredyski told us how many hours he had put into finding a ground problem on a Volvo. It was all because of corrosion. He said it may have occurred because of what was described in article on corrosion in last DSC Newsletter. **What causes black wire corrosion (BWC)?** See October DSC Newsletter.

PUFFED LIPO:

Steve Everett said he had several 2 cell lipos that were puffed up. He asked what to do. And also asked if anyone knew why it happened. Members provided info on what they do with old/damaged cells and what they have read about how it happens.

DONATIONS TO CLUB:

Jim mentioned that he had received several planes from John Emery and Forrest Sumner. Planes will be used as fund raisers. 2013 DSC members will have first shot of purchasing them. Then they will possibly be offered to past members and other clubs. Details will be sent to Club members in a few months.

FREE WINGS:

John Cheetham mentioned that he has a lot of wings that people could use this winter on a building project. John found that a lot of his old time wings can be used on just about any fuselage. After the meeting several people took him up on his offer. Thanks John.

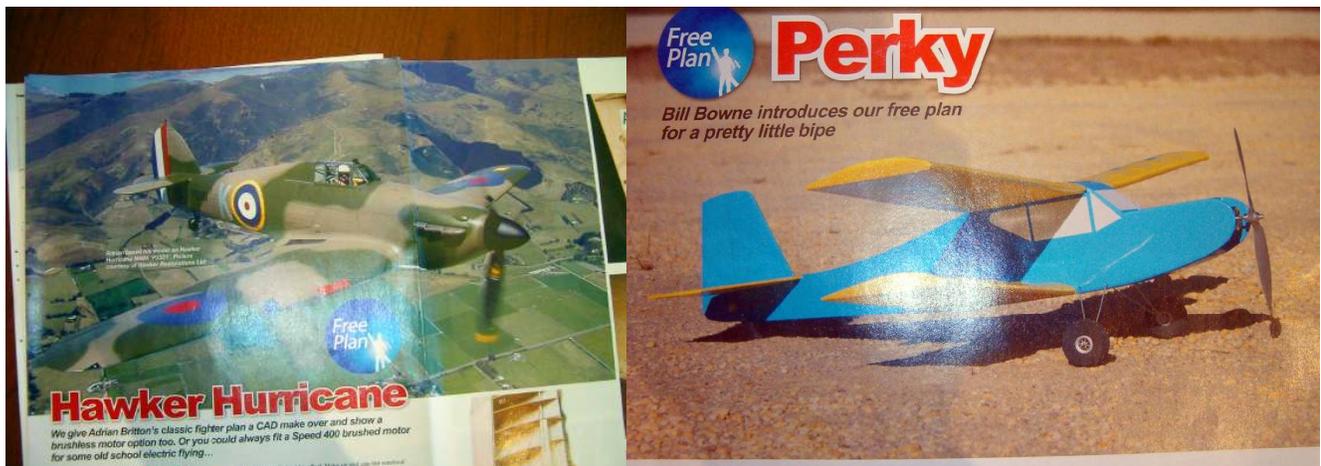
DSC FREE MAGAZINE RAFFLE:

Each attendee was given a free raffle ticket for a Free RC Magazine.



DSC DRAWING LIBRARY:

Jim showed the following drawings, which are available for members to check out:



HOT WATER METHOD OF REPAIR:

Several Utube videos show use boiling water to straighten out smashed/wrinkled/rippled foam. The foam will reshape itself as it is heated. Apparently the hot water expands the air inside the foam which staightens out the foam to 90 95D% of its original shape. Now can I use this on a foam Frog that has been hot glued (grin)? See the following Utube videos:

- *How to straighten crashed & crushed foam prior to gluing. Otherwise known as the hot water trick.*

[HTTP://WWW.YOUTUBE.COM/WATCH?V=VDAYMULGEI8](http://www.youtube.com/watch?v=VDAYMULGEI8)

- [HTTP://WWW.YOUTUBE.COM/WATCH?V=XRE1X_XOWV4](http://www.youtube.com/watch?v=XRE1X_XOWV4)

SHOW AND TELL OR JUST TELL

- Mark Higgins showed us the Supra Wing he vacuum bagged. He watched a video on bagging and it helped him learn what to do. He discussed the wingtip design and discussed the performance of the Supra airfoil shape that he built. Mark said it is Fast.



- Symon Rankine showed us the kits he built from Steven's International. He uses the little brick (receiver and servos) to control the surfaces.
 - The StevensAero - LiddleGee™, Indoor/Backyard Ultra Micro that he is holding is powered by a 170 ma battery. It will stay up for 7 to 8 minutes. To show how light it is, he told us a story of how he walked by it one day and just the wind he created going by, knocked it right off the shelf and broke it.



- The other plane, he showed off is the StevensAero - Lil'SQuiRT™, Indoor/Backyard Trainer. He put on a set of Trexler Pneumatic Balloon Wheels. Cool!!
- John Emery brought in his brand new scratch built Mako Shark. It flies off of grass, snow, water, and even stands on its nose! John described what he used to power it. It has a Grayson 2200Kva brushless motor on a 1600ma battery with a 40 amp ESC. It flies great off the water. Several members were there for his maiden flight and it flies fantastic. John used permanent marker, acrylic paint and clear coat to make the markings. During construction he used epoxy and foam safe CA. All up weight is about 14 oz. You can buy a kit for \$65 out of depron. Plan is offered free at www.Modelfoam.com. He said it was interesting to note that it had all the servos exposed by design.



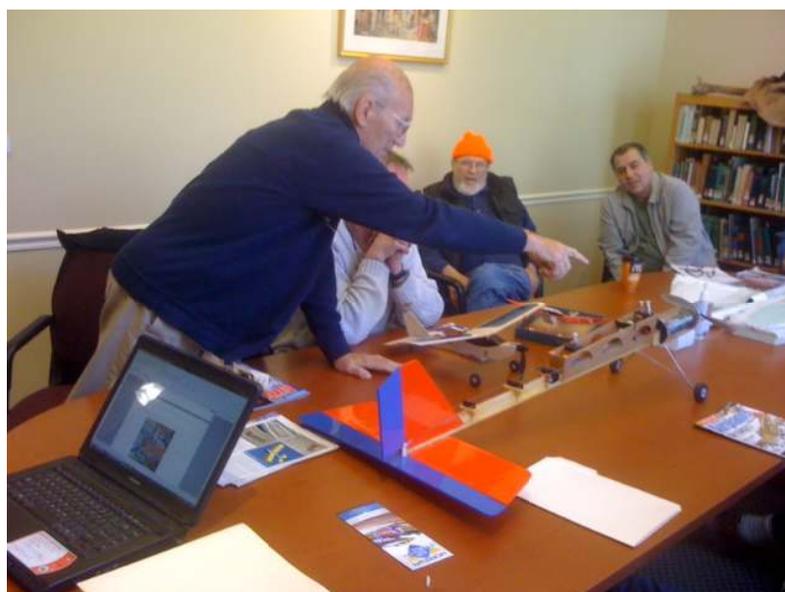


Input from Steve Everett:

Jim,

Steve Everett and Glenn Collins showing details of the new 3.5m Thermal ship. Based on the Supra airfoil with Glen doing all the CAD work and Steve machining all Fuse and wing molds. Fruits of there labors are the finished fuse and vertical tail assy which was a great team effort. Mike Bergerson had major design input. Entire plane is hollow core wing and at this writing Steve's plane is finished at 78oz AWW. Very Exciting!
 Stephen Everett

- Dick Rosenberg brought in his scratch built Yard Stick electric plane that he built. Came out nice and it is modeled after the one that John Cheetham built. John blew it up a lot from the original design and made some neat design improvements. Subsequent to the meeting Jim A. flew the Yard Stick and it flew with only some minor corrections needed latter. It is a plane that can take the wind and has a super glide. Real fun to fly. Dick is going to love flying this one.



PRESIDENT'S CORNER (JIM ARMSTRONG) :

SLOPING:

Introduced Tim Will and Symon Rankine to slope soaring. Tim said he really liked flying my Flying wing Boomerang. I flew another wing. We didn't combat but got close enough to touch each other. The wind was mostly light and it was fun just trying to stay in the air. Tim is putting his gear in a P-51 and looks forward to doing some combat soon.



MEMBER PROJECTS:

- **Update:** Since the last meeting, John Cheetham completed building the Free Flight "Parasol." I showed you the uncovered version in the last newsletter.



- He converted the design to electric. He found it in a 1964 July issue of “Popular Mechanics”. He is using a 3 cell Lipo and powering it with the 1800Kva Motor that we use in the Frogs. It flies real good.
 - Because it flew so good John decided to build a much bigger version.



You can see the bones of the blown up version going together. Next month you may see this one covered and a report of how it flies. Stay tuned.

[WEDNESDAY DSC BUILDING SESSIONS:](#)

- We had Coffee and Cookies served to us when we went to John Cheetham’s shop, Bob



Berry’s shop and Forrest Sumner’s shop. Special “Thank You” to John, Bob, and Forrest for their wonderful hospitality.

- Prior to the Wednesday DSC building session that we had at John Cheetham's house Tim Will, John Cheetham and I worked on making the wing templates and main wing tip cutting jig for Dick Rosenberg's Eagle. Here you will see Tim filing the main wing aluminum airfoil template and John and Tim working on making the template that is used to cut the angle on the end of the main wing to mount the wing tip feathers.





HLG GAMBLER-AG:

The DSC Club has two hand launch glider (HLG) gambler kits for sale/with motor Power Pod mount. Now is the right time to build one. It can be hi-started, hand launched, slope soared or you can put a brushless power pod on it. Cost is a bargain at a Club discount price of \$65. You save a lot because there is no shipping cost, a free motor pod is included from Allen Wright, and clear covering is provided free. Add it up and see how much you save. Go to <http://www.wrightbrothersrc.com/> for FMI on Gambler AG.

Check out video of Jack Pignolo's Gambler <http://www.youtube.com/watch?v=BqDNK8iF2R0>

Connector REMOVAL TOOL:

I bought a package of mini circlip pliers at O'keefe's Auction Outlet in NH. Brought the package to the field and John Cheetham and Charlie Kerr thought they were the cats meow. They are used to take apart battery red "T" connectors or XT60 yellow connectors. These connectors are sometime very hard to pull apart. If connector is inside a plane it can be even harder to take apart. We got the idea when we say Tim Will use a real professional pair of pliers to disconnect his connectors deep inside a plane.

You drill a hole in each connector in a spot where you won't short out the battery. Then you insert pointed end of pliers (in case your not mechanical) in the holes and squeeze or pull the red end (grin) to disconnect the connectors. Works great.



I paid \$5.99. I cut the package in half and have a few left. Two for \$2.995, no tax in NH. I bought a couple of packages because someone else wanted one but I don't know who that was. Let me know if it was you so I can save you a package. John Cheetham bought 2 packages.

Merry Christmas,

Jim