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AMA Club Charter #2988

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<http://www.downeastsoaring.org>

May 2011 issue of the DSC's "Quiet Happenings" Newsletter

Downeast Soaring Club Upcoming Events

Event	Date	Time	Location
May 2011 DSC Business Meeting	Saturday, 5/14/2011	Doors open at 9:30 AM; 9:45 AM Business meeting, 11 AM show & tell	Topsham Public Library; 25 Foreside Road, Topsham
June 2011 DSC Business Meeting	TBD (Watch your e-mail) Late spring, Summer and early Fall meetings will usually be held at a flying field somewhere.	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.

DSC Meeting Minutes

Minutes from meeting Saturday April 9, 2011

INTRODUCTION: VP Glenn Collins chaired the business meeting and provided the following minutes of Saturday April 9, 2011. Jim was in Florida with his grandchildren and appreciates Glenn for conducting the meeting and recording the minutes.

MEMBERS PRESENT APRIL MEETING:



Glenn Collins, Mike Bergerson, John Cheetham, Bob Berry, Bob Constable, Dick Rosenberg, Pete Upton, Frank Bennett, John Seredynski, sorry if I missed any one else.

Guests: Bob Constable's "grandson" Jonathan,

TREASURES REPORT:

Acting treasurer Jim Armstrong sent in the following report:

- **GREAT NEWS:** John Emery has volunteered to be the 2011 DSC treasurer.
- Since the last meeting the Club spent \$90 on the AMA re-charter and Falmouth field insurance. He also said that the Club spent \$35 on filing Yearly Club Incorporation renewal with the State of Maine.

SECRETARY'S REPORT: None

OLD BUSINESS:

INDOOR FLYING:

A reminder to attend our Indoor Flying Session this Sunday 17th April from 8:30 to 10:15 AM at the Unity College gym. This is the last scheduled indoor flying session until the fall.

BAM INFO:

John Seredynski identified that the BAM dues would have to be raised. There is discussion of having to improve field drainage and resurface the runway. They are still looking for donations for the tractor they purchased to cut the grass. Glenn suggested increasing DSC's annual contribution to the BAM. Many of the DSC members are already BAM members and would be paying the increased dues. This will be discussed at the next meeting when more of the club officers are present.

NEW BUSINESS:

SAFETY OFFICER:

John Seredynski reminded everyone to check the direction of travel of flying surfaces not just that they are functioning. Nine people nodded in unison. John had a Wingo come to an unfortunate end recently for just this reason.

DSC DRAWING LIBRARY:

Glenn showed the following drawing which will be added to the DSC Drawing Library for member checkout.



POTENTIAL INDOOR FLYING IN A BRUNSWICK HANGER:

It was identified that a hangar at BNAS may be able to be used for indoor flying. Limited info at this time. They had a concern about electrics because of equipment stored at the location, but rubber would be OK. It was assumed that with a little education about how tiny indoor electrics had become that there would be OK too. Hope more information is provided at the next meeting.

SLOPE FLYING

The club has not been flying much slope lately because of loss of sites, and most members have had little experience with it. Glenn reviewed that he was marking up a Google Earth map with potential slope soaring locations in Maine. He hoped interested members could exchange potential locations and pertinent info about sites. The club does have a sheet 4 x 8' by 2" of EPP foam. If we decided on a model, plank, flying wing etc we could establish a build day and Glenn could cut the foam on his cnc foam cutter and members could make slopers. Price per plan would need to be determined and proceeds would go to the Club. There was some interest. Email Glenn if you would like to share slope sites via Google Earth.

DSC FREE MAGAZINE RAFFLE:

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



DISCUSSIONS/COMMENTS:

- Jim's Raven attaching a slope plane was discussed.
- BP hobbies has a big sale on e-props
- Michaels has the white foam board on sale for 99c.

SHOW AND TELL OR JUST TELL

- Bob Constable presented a nicely detailed Guillows free flight kit of a P6e Hawk that had been converted to indoor electric using Ember Micro RC gear.



- Dick Rosenberg discussed the Loc8tor systems passive lost airplane alarm. This alarms when contact with the receiver is lost. Loc8tor also has a 2.4MHz system that transmits back to a receiver which allows you to track your plane at a distance of 300 feet. Very light weight and would be perfect for finding planes in scrub and tall grass.
- Jonathan presented some static models he had built.



- Mike Bergerson demonstrated a 2.4 MHz conversion of his JR 6102 6 channel radio. This is a great computer radio. A real find if you can get one used cheap. Easily converted to 2.4
- Mike also presented a 3oz micro SAL. This is using foam wings cut on the CNC cutter with strapping tape covering and some CF laid in for spars. He designed the fuse in Profili and built it out of 1/32 balsa. He plans on using 2.5g servos. He demonstrated the spring pull system that Glenn has presented in the last meeting.



- Glenn Collins reviewed the progress he, Mike, and Steve Everett have made on the molded DLG project. He presented a molded wing, stabs and a fuse. After only a few months, which included a month absence by Steve, who had to return to the Gulf, they had, mastered new CAD software, created 3d CAD mold models for fuse, stab, fin and wings, machined out all the molds and done several layups of each to optimize the process. Glenn relayed how much less information is available on this process compared to vac bagging over foam cores so a lot of experimentation was necessary. They have all learned a lot but still have more work to perfect the process.
- In parallel Glenn has been working on bagging foam cores and has great success. Glenn passed around a DLG wing he had bagged. The panel was a respectable 68gs. He had also had a stab a fin that came out very light. Glenn also had a number of examples of rolled booms he had created on a golf club shaft mandrel. Look up “roll your own tailbooms” on RCgroups for lots of info. He has tried various lay up schedules until finally achieving one that he is satisfied with final weights for a 33” boom of 24grams.



PRESIDENT'S CORNER
(JIM ARMSTRONG):

THANK YOU: Special Thank You to Glenn Collins for chairing the April DSC meeting, providing minutes and pictures.

Member Projects:

- **[TO: DICK, JIM AND ALL DSC MEMBERS:](#)**

On Sat, Apr 16, 2011 at 3:02 PM, Stephen Everett <sever124@yahoo.com> wrote:

Thanks for the Email and the interest on the frog. As you may or may not know Glenn Collins, Mike Bergerson and myself have spent quite a bit of time creating Cad drawings of a top of the line DLG. Then milled out wing, tail and fuse molds from corian. After a few failed attempts we are now creating state of art Carbon fiber fuses and hollow core wings. It's been very exciting but has sucked up a ton of my time. I was planning on creating molds for a composite frog and Glenn talked me out of it as a waste of time and money. Instead we are going to create cad templates and mill out all parts needed from Formular foam (about hi-load 40). This way I can simply hand the parts to you in kit form and in a hour you can glue it together and go fly. You can even drive down and watch the process on the CNC machine if you want to see the magic happen!

This offer will be open to all DSC club members of course. I should be home Mid May from the Gulf of Mexico and plan to jump right on this project.

Do not hesitate with questions or ideas for improvement to the FROG design. Foam cost and CNC run cost should be about \$10.00 per kit max.

Jim: Please forward this Email to all DSC members
Yours truly

Stephen Everett
Cell:207-831-1582
[Email:sever124@yahoo.com](mailto:sever124@yahoo.com)

- **[2 METER HOLLOW WING DESIGN:](#)**

Dick,

Yes it's going to be a GREAT summer. We also are working a 2 meter hollow wing design which I will be milling molds for this time home. Again anybody will be welcome to be involved, mold your own plane, etc. Mike, Glenn and I flew gliders on a hi-Start at the Falmouth site and had some great thermals which are a good sign.

We also will be doing a mold for a Aegea fuse and hotwiring solid core foam wings and vacuum bagging them which is fast. Another option for you to think about. The fuse will be able to put a motor in as a option. Kelvar for cloth to keep the cost down.

I have the wet seam fuse layup dialed in and can make a fuse in the mold with a inflating bladder in a hour. Very simple and you should come down and try it at my house. Bring Jim with you!

Stay in touch and see you in 4 weeks

Stephen Everett

Email:sever124@yahoo.com

AMA re-charter & DSC Incorporation filing:

Secretary Mike Farnsworth and I completed AMA re-charter, Field AMA sanction and Yearly Club Incorporation renewal for the State of Maine.

Frog Combat:

- I'm putting this paragraph in again because I hope that everyone has a Frog this summer.
- This past summer we did combat using the Frog as the plane of choice and Cray paper streamers. Everyone in the Club should own a Frog. Easy to repair and is very stable. Because of this it is a great plane when it is windy.
- Take note of the picture. You can see a piece of Blue Cray paper rapped around John Emery's motor. John scored a point and won the round when he cut my Cray paper streamer. Nice flying John!!!



Friendly reminder to check your e-mail before leaving to attend a meeting/event as it may have been cancelled because of weather, sickness, personal conflicts or other reasons.

Happy *safe* Flying,

Jim