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AMA Club Charter #2988
<http://www.downeastsoaring.org>

DownEast Soaring Club Upcoming Events

Event	Date	Time	Location
DSC Club Business Meeting	Saturday, 8/12/2006	9am coffee/pastry - 9:30 Business meeting, 10:30 Show & Tell (Slope afterwards?).	Bookland Coffee Shop, Cooks Corner, Brunswick, ME *See Note #1
September DSC meeting cancelled.	Saturday, 9/9/2006	Cancelled because of Electric Fun fly scheduled for same day.	Cancelled because of Electric Fun fly scheduled for same day.
BAM/DSC Maine Electric Powered Event	Saturday, 9/9/2006	8-5 Saturday and 10-3 Sunday	BAM Club Field Topsham; Note #2
BAM/DSC Maine Electric Powered Event	Sunday, 9/10/2006	8-5 Saturday and 10-3 Sunday	BAM Club Field Topsham; Note #2

1. Breakfast starts at 9:00 in the Bookland Conference Room. The business meeting will start at 9:30 am sharp. Show and Tell at 10:30. Members are encouraged to eat breakfast during the business portion of the meeting.
2. This contest is an AMA sanctioned contest. All AMA requirements apply.

DSC Meeting Minutes

Meeting Minutes of 13 May 2006 (As recorded by Mike Farnsworth) and Minutes of 8 July 2006 (As recorded by Jim Armstrong)

MEMBERS PRESENT:

May Meeting: Paul Johnson, Nelson Frost, Bob Constable, Buck Baker, and Mike Farnsworth.



June meeting notes from VP Glenn Collins: No minutes, small crowd. Kenny, Bob Berry, Mark Higgins, Joe Sullivan and myself. No official business; just chatted, had coffee. Joe presented his CNC machine and a couple examples of cuts. He had a number of pictures on his laptop. I'm sure he'll forward some pic for the newsletter.

July meeting: Ken Mac Donald, Mike Farnsworth, Paul Johnson, Glenn Collins, Fran Cardigan, and Jim Armstrong.



TREASURES REPORT:

Ken MacDonald gave the treasurer's report and it was accepted by the membership. The balance is \$674.13 plus \$12 for Bucky Barkers renewal. Ken noted that the kitty is getting low. Paul Johnson replied "keep the credit card away from Jim".

SECRETARY'S REPORT:

No correspondence! Mike to update Bucky's membership with his new email eal_757@msn.com and send him his new password.

July update: Bucky's membership profile had been updated by Mike.

OLD BUSINESS:

GLOVES

Background: Editor's Note in newsletter on working with epoxy safely: Let me know if you're interested in purchasing a box of 100 disposable gloves for less than \$5.00. Maybe we can make a group purchase.

May meeting update: Nelson Frost is interested in going in on gloves if they are Nitrile (Non Latex with no powder). Mike Farnsworth is also interested.

July meeting update: Gloves the Newsletter editor was talking about were latex. Nitrile gloves cost more. Box of 100 Nitrile gloves runs over \$12 at harbor freight. When they have a sale, Jim will let Nelson, Mike and others know.

FOAMY COMBAT:

Ken said that he did not have an update from Bud Greenleaf.

Update: Glenn et. Al. are looking into making a profile plane because there wasn't enough interest in the Cox warbirds.

CLUB GLIDER:

- The club needs a couple of standard servo's for the Bird Of Time. The micro servos keep stripping. Mike offered to donate two standard servos. (Jim can drop by anytime to pick them up...)
- Paul Johnson successfully launched the Club's Bird of Time Glider, Paul's Spirit, and the club foamy. This launch method works very well for smaller planes.



DSC DRAWING LIBRARY:

BACKGROUND:

- At the last meeting, the Club approved taking the drawings out of the two Club magazines and make them available for member check out. Both Fly RC and Silent Flight International have some great drawings. Basically it would be a shame if the drawings were thrown away. Motion made, seconded, discussed and passed. Jim is making an index as he files them in a 3 ring binder. The index will be published in the member only section. It cost a lot to order drawings so this would be just another benefit of belonging to the DownEast Soaring Club
- At this meeting Jim showed the binder and several of the drawings that were in it housed in clear sleeves. He said he needed more sleeves to house all the drawing. Members approved purchase.
- April UPDATE: Jim showed members some of the drawings that members can check out and the new sleeves they are in.

July update: Jim has been adding the free plans that the Club has been getting from Fly RC and Silent Flight International. Book of plans was passed around at the meeting. Jim said that he would make an index of the plans for checkout and include a picture of each plane. This would allow members to see a picture of the plane so they can decide what to build.

Glenn Collins volunteered to make the index and include pictures of the planes.



DSC INCORPORATION:

The DSC needs to update its bylaws as part of the incorporation process. Jim has a hard copy but does not have an electronic copy. Bob Constable volunteered to type up our current bylaws to get them into an electronic format. Jim should snail mail or send him a copy. Mike volunteered to be the "Agent".

July update: Paul Johnson told us that BAM has been incorporated. The state wants to know how membership is derived. In BAM a member is determined by his paid up dues which gives them voting rights. This allows them access to the Club's facilities.

NEW BUSINESS:

MAY QUOTE OF THE MONTH:

Member Ken MacDonald stated that "Lite Ply is Garbage". Ken stated this rather sternly as he remembered this quote from Ken Baker while building the DSC 1. Flashbacks anyone? I believe

that the DSC 1 was the first club building project. Several can be seen on our club projects section of the web site.

JULY QUOTE OF THE MONTH:

Fran said “You buy one electric helicopter to fly and one for spare parts.” Editor’s note: Sad but true. Right Frank? (grin).

DSC FREE MAGAZINE RAFFLE:

- Several Club magazines were raffled at the May meeting. Winners were Mike, Ken, and Bucky.
- Several Club magazines were raffled at the June meeting. Bob Berry and Paul Johnson won the July magazines.

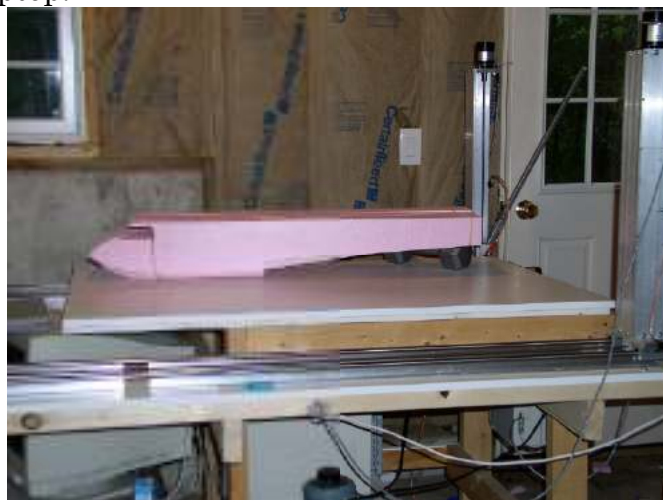
RC MAGAZINES: Nelson stated that he likes to leave old RC magazines in doctors offices. This is a great idea. RC first peaked my interest in the Orthodontist’s office when I was 15. Time magazine had an article on Bob Violet’s ducted fan jet. I believe that this was on of the early ones.

DSC PATCHES: Bob Constable was wondering about caps and/or patches with the DSC logo on them. Mike said that someone should be pursuing this idea. The club may be able to get a bunch of patches made and sell them to members for cost plus \$1.00.
July update: Looking for the someone. Any volunteers.

HLG CONTEST: Mike is planning a HLG contest. Looks as though it will have to be sometime this fall. More information to follow.

SHOW AND TELL:

- Joe Sullivan presented his CNC machine and a couple examples of cuts. He had a number of pictures on his laptop.



- Paul Johnson showed a Foamy biplane. It is a Pvt Kools Bipe from plans in Model Aviation.



- Bucky Barker is selling a Challenger, which he brought to the meeting. It has never been flown. The aileron servos are installed and also has a nose tow release and hook. He is asking \$250. He can be reached at (603) 335-2060.



- Bob Constable brought in his Eflight Blade CX electric helicopter.



- Jim Armstrong showed a 4 channel FM 72 Mhz Dynam radio he purchased from Balsa Products for \$29.99. He purchased 2 so he could trainer cord them together. He needs to add a trainer switch to one to transfer the signal control to the other radio. Balsa products

provided all the details to do this. The 6 channel comes with a trainer switch installed and that is why the 4 channel doesn't. At the meeting Jim hooked up the Dynam to his laptop through a special serial cable to run the FMS (Free) flight simulator. It is a great way for beginners to practice.



PRESIDENT'S CORNER (JIM ARMSTRONG):

PARK BULLET:

I asked Glenn Collins if he would give us a little info on his latest creation. It is below:
Thanks Glenn.

Picture Caption: Stuart Little signals his readiness prior to his maidenflight of the Park Bullet.



The Plane is my own design based on the universal fuse plan located on the FoamFly.com website. The fuse uses fanfold foam cut with interlocking joints. The designer refers to it as the zipper method. The parts join easily and make alignment much simpler. On the website he has several planes that he has designed around this fuse. The wing is a 36" E-205 EPP foam wing cut using the clubs CNC machine. All up weight with 2 cell lipo was 16oz.

I use the Tail Volume Coefficient method to determine the appropriate fin and stab size based on the wing camber and surface area. This method has worked well for several designs from parkflyers to slope gliders. Anyone interested, send me an Email. I have an Excel Spreadsheet with the calcs I

can send to you. I can send the plans in DXF format as well.

The maiden flight was initiated with a hand toss. I was a little concerned about the weight and thought a 3 cell pack would be necessary. Not a problem. Climbed steep and fast. In fact, I was surprised by the speed. Not a backyard flyer. The second flight was a grass runway take off. Lifted off in about 8 feet. The motor is one of the cheap brushless motor / controller combos several of us have purchased from RChotdeals.com recently. This was the 2409-12 motor. An 8X4 prop on 3 cells is recommended for this motor, having only an 8X6 I choose to use 2 cells to keep the current draw down. Two All Electronic Lithium Ion cells round out the cheap power combo. I'd strongly recommend these batteries for only \$3.00 a piece. \$30 brushless / controller combo + \$6 battery + \$2 foam = FUN

WEDNESDAY GLIDER/ELECTRIC FLYING NIGHT: This year the weather has been terrible for Wednesday night get togethers. I flew in the rain twice; as did others. We had several theme nights, for example Frog night, Bi-plane night, piggy back glider launch night, and Frog Combat night. After we do Frog combat again in less wind we should plan on having another piggy back glider launch night and then a Hi-start thermal night. **Here are some picture from Wednesday night flying sessions:**



50 INCH HLG LIMITED CLASS COMPETITION:

Background: Talked to club member Allen Wright and he tells me that he is coming out with a new design to meet the 50 inch HLG Limited Class Completion that is gaining a lot of popularity. Sounds like a good item for Wednesday Theme night. Jim, Glenn and John have a gambler. Anyone else? In the past Allen has given Club members a little discount and no shipping cost if I pick them up for you when I'm in NH. This is an item everyone should have. Inexpensive and lots of fun. Check it out at: <http://www.wrightbrothersrc.com/>

Gambler-AG Announced

We are currently working on producing our first batch of our latest refinement of our most popular kit - the Gambler DLG. The new Gambler-AG should be available for order some time in March and includes the following improvements:

- AG36 airfolis designed by Mark Drela
- Increased span to 50" to maximum allowed span for limited class competition
- Improved laser-cut wing hold down assembly
- Stiffer Avia boom
- Increased polyhedral for better turning response
- laser-cut trailing edges
- Improved rib design to allow flush D-tube and center section sheeting
- Modified rudder mounting position for straighter launches



We would like to thank Mark Drela, Oleg Golovidov, Phil Barnes and Northeast Aerodynamics for their help with most of these improvements. For those looking at a sneak peek at the Gambler-AG you may download the new instruction manual to see some of the changes. If you would like to be notified by e-mail when we are shipping the new kits you may e-mail us at sales@wrightbrothersrc.com to be put on our waiting list.

- Glenn Collins took up Allen Wright on his Club discount. He ordered a Gambler DLG at \$10 off. I will be picking up a Gambler AG for him so there will be no shipping charge. Anyone else?

UPDATE: Mike Farnsworth bought the Gambler AG that I had purchased for myself. I'm going to pick up another one for me. Motion: I would like to see the Club, since it is a glider club, purchase 2 Gambler AG Discuss Hand launch Gliders and keep them available for a quick purchase by Club members. I can purchase them if the Club approves (and save shipping costs) and they can be advertised on the Web and also sold at Club meetings. This would be a great way to get a one design DHLG started. If we start now we could get some interest in building them this winter at glider night etc.

RICK HALLETT REMEMBERED AT CRATE DAY:

Rick Hallett's daughter Leigh provide us the following write up for the newsletter. Leigh notified us of the prior the event and said:

"One of Dad's favorite annual events, "Crate Day" at the Lindbergh Crate

museum in Caanan, is coming up on Fri. Are you familiar with it? They have flyovers of all kinds of planes, and plane-related events for kids all day.

Dad went every year and did model demonstrations, and just loved seeing the planes. Anyway, around noon Larry said they will be doing a "memorial" launching of little balsa planes by all the kids for Dad



If you were at leisure that day, it might be something you would appreciate, or grandchildren, if you have any of that age."

<http://www.uncommondays.com/states/me/events/lindberghcrateday.htm>

After the event Rick's daughter Leigh said:

"Hi Jim,

Here's a picture of" DSC member" Arthur Aube with his planes at Crate Day.

There was

another gentlemen there (whose name escapes me - I have it written down

somewhere - don't think he was a DSC member). I'm sorry that this is such a

large photo - I don't have software right now to resize it to a better

email size. If it comes through okay, let me know, as I have one other photo

that is good. It shows all the little kids with there little balsa planes (the kind you just throw into the breeze). Larry Ross gave each child a plane to put together, and he said a few words about a mentor of his, and then he said a few words about Dad and his enthusiasm, especially for Crate Day. This was at the end of the morning, which had been cloudy, and just then, the sun came out. He also introduced a man who had made a larger wooden mock-up of those little balsa planes for the occasion (unfortunately, he "launched" it with the rest, and of course it broke). After everyone had their planes assembled, he had us line up and launch them all at once. I can't remember exactly (it was pretty tough), but I think he said that part was in Dad's memory (the launching all together). Dad would have loved it, not just that part (the enthusiasm of all the kids putting those little planes together), but also the flyovers. There was a giant military helicopter there again, but more exciting was the fact that the 2 jets made so may flyovers (sometimes it's just once). They went back and forth and even partial loops and banks time and again (Arthur could probably tell you what they were - A10s, maybe?) It's quite a show for a tiny village.

I'll send that other picture if this one gets to you okay.

Thank you,

Leigh"

COX WARBIRD AND AIR HOG BIPE:

John Emery flew his P47 Cox warbird, which flew great. Real stable and it handles some wind. He uses a 2 cell e-tec 450 lipo and the stock motor 130. It uses 2 micro servos for rudder and elevator.

The bi-plane is an Air Hog biplane that comes with a lipo and you control it by varying the 2 engines for right and left rudder. Lots of fun and it even flies indoors.



Happy flying,
Jim