

President
Jim Armstrong
207-725-5758

Secretary
Mike Farnsworth
207-729-7290



AMA Club Charter #2988

Vice President
Glenn Collins
207-547-2030

Treasurer
Ken Mac Donald
207-443-3585

<http://www.downeastsoaring.org>

DownEast Soaring Club Upcoming Events

Event	Date	Time	Location
April Club Meeting	Saturday, 4/12/2008	9am coffee/pastry, 9:30 Business meeting, 10:30 Show & Tell (Slope afterwards?).	Bookland Coffee Shop, Cooks Corner, Brunswick *See Note 1
May DSC Business meeting	Saturday, 5/10/2008	9am coffee/pastry, 9:30 Business meeting, 10:30 Show & Tell (Slope afterwards?).	Bookland Coffee Shop, Cooks Corner, Brunswick See Note #1

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.

OTHER EVENTS (For planning purposes):

1. Great State of Maine Air Show September 6 and 7th, 2008
2. Reminder: Bookland meetings are scheduled on the 2nd Saturday of the month during the late fall, winter and early spring.

Notice: February and March Minutes are combined in this newsletter. Jim sent an e-mail to members explaining that he was unable to complete the February newsletter because of the passing of his father.

DSC Meeting Minutes of 9 February and March 8 2008

MEMBERS PRESENT AT THE FEBRUARY DSC MEETING:

Bob Berry, Mike Farnsworth, Nelson Frost, Glenn Collins, Charlie Kerr, John Cheetham, Ken Mac Donald, Bob Constable, Jonathan Bell (Bob's grandson) and Jim Armstrong.



MEMBERS PRESENT AT THE MARCH DSC MEETING:

Frank Bennett, Bob Berry, Nelson Frost, John Cheetham, and Jim Armstrong.



Member participation in the March meeting was light because of the weather and people just plain forgot about the meeting (Right Mike!). Parts of Maine were having freezing rain, and wintry mix. Jim sent the following e-mail to all paid 2008 members before the meeting:

Hi Guys,

I will be at Cook's Corner Bookland at 9 am tomorrow for our monthly meeting. I hope that the weather will be OK but if it is not please do not drive if it dangerous.

If you do come, bring show and tells if you have them.

The DSC Web site has our January/February newsletter posted. The minutes of our February meeting will be included with tomorrow's minutes. This is because my farther had been sick and passed away this past Sunday.

Don't forget to put your Clocks ahead this weekend. Wednesday night glider flying night will be here soon.

*Happy Safe Flying,
Jim*

TREASURES REPORT:

Treasurer Ken Mac Donald reported at the February meeting that Club Checking account balance was \$673.03.

SECRETARY'S REPORT:

Secretary Mike Farnsworth informed the Club members at the February meeting of an upcoming RC swap meet in Connecticut. Mike reported that he had not received the AMA 2008

Charter application yet. No other correspondence.

OLD BUSINESS:

DSC DRAWING LIBRARY:

Three new drawings were added to the Library at the February meeting.

PICTURE	NAME	TYPE	SPAN	DESCRIPTION
	Twinger	Electric	26 inches	Electric outdoor Sport Biplane; motor SK 400XT, 3S620mAh lipoly APC 8X38 SF
	Don't Panic	Electric	28 inch span	Delta 3 function R/C for brushless motor of 100 to 150 Watts, and 2S or 3S Lipo of 600 – 1000 mAh.
	Flying Fish-E	Electric	55 inch	Flying wing for 4 function R/C and speed 480 with 3.8:1 reduction.

At the March meeting one new drawings was added to the Library.

	<p>Armstrong Whitworth FK1</p>	<p>Electric Biplane</p>	<p>36 inches</p>	<p>A 36" wingspan model of a little known biplane for 3 function R/C and speed 400 electric power.</p>
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DSC FREE MAGAZINE RAFFLE:

Winners at the February meeting were:

- Bob Constable and John Cheetham donated magazines so that everyone had an opportunity to bring home a magazine.



Winners at the March meeting were:

- We had enough magazines for every participant to be a winner. Fran purchase one left over for \$1.00 donation to the Club.



INDOOR RUBBER AND INDOOR ELECTRIC FLY IN:

Background: Bob Constable informed the club that John Phellan, a recent club guest, who flew the micro RC Petienpol Aircamper inside the Bookland conference room, has obtained permission to fly in the Unity College Gym. The gym is on the Unity College Campus located at

90 Quaker Hill Rd in Unity Maine. John can obtain access to the gym on Sundays by request. The time available will usually be 8 to 11 am. Look for e-mail announcements. FMI contact John Phelan at 568-3365.

February Update:

Glenn Collins said that John Phellan has been having a flying session every other Sunday at Unity College Gym. The gym is on the Unity College Campus located at 90 Quaker Hill Rd in Unity Maine. Call John for if you would like more info. John Phelan 568-3365 is the contact.

HELICOPTER JAMBOREE:

Background: Nelson Frost announced that there is a Helicopter Jamboree the fourth Sunday of every month in Yarmouth. It is held inside Lakeside archery on Rt. 9 in Yarmouth. There is a \$10 landing fee. Go to lakesidearchery.com for more info. Call ahead as there are only so many flying slots. Flying start time is usually 1 PM. If there is enough interest on a particular Sunday, they will have a morning flying session too.

February Update:

Nelson Frost informed the Club members that on the fourth Sunday of the month there will be a Helicopter Jamboree at Lakeside archery. Go to lakesidearchery.com for more info. Call ahead as there are only so many flying slots. Flying start time is usually 1 PM. If there is enough interest on a particular Sunday they will have a morning flying session. Background above modified.

March Update:

Nelson Frost provided an update on the Helo Jamboree flying activities. He said help was available for anyone that needed it. Fran and Frank have a couple of big electric Helicopters that they would like some help flying. When Jim asked Fran if he has been flying his Helicopter anymore he said the Quote of the Month. "It ain't cost me any money sitting on the shelf."

RC FLEA MARKET:

Paul Johnson president of BAM said: It sounds as if people would like to have a flea market again. The thought is to have it in April and plan to have it at the field. We will set a date later and plan on a rain date as well.

March Update: Bob Berry said that at the BAM meeting this past week it had been discussed. It will be held near the open area near the shed at the BAM field sometime in April.

NEW BUSINESS:

DSC FUND RAISER: File with pictures of planes for sale. With contact,, price etc.

BOY SCOUT CAMPOREE: Mike Farnsworth said that near end of April, there is going to be Boy Scout Camporee at the Topsham Fairgrounds. Theme is Hobbies for fitness/hobbies for life. Mike was wondering if BAM/DSC would like to put something together for it. Format would be something like this. Scouts would be broken up into groups that would have about 45 min to visit each presenters presentation/table/demo, before they would go to the next presentation. This would go on for the entire day with the hope that each group had the opportunity to view all demos. If clubs would be interested, Mike was thinking that we could set up planes and a flight simulator. Maybe demo John LeClairs Video camera on his plane. Show some prerecorded video of a flight over the Topsham fair would be cool. After some discussion it was evident that the Club was interested in working toward supporting this event. Motion made for the Club to work towards supporting this event and have a budget of \$25 for any necessary supplies. Motion passed unanimously.

March Update: Subsequent to the meeting, Mike said the date is May 17th. All day event with groups of 20 to 30 scouts coming through on about a 45 to 50 minute rotation. The Club may want to bring a grill and cook some lunch. Some of the other displays are hiking, karate, sailing, golf, and fishing, It is estimated that there will be about 160 kids and adults.

CANCELING DSC MEETING ON-LINE:

Because of the icy weather the day of the meeting, Jim asked if it would be a good idea for Club to give the President authorization to cancel a monthly meeting, for any good reason, by sending out an e-mail to members before the meeting and posting on the event schedule on the DSC Web site. Members felt that it was a good idea. Nelson said that members could not afford to drive to a meeting for nothing. Motion passed unanimously.

SHOW AND TELL:

- Charlie Kerr brought in a planer from Sky King RC Products and he finds it to be the best one he ever had. The add says: The best razor plane ever made, the Little David. Every modeler has a favorite tool in his or her shop and this one is ours. It just feels right in your hand and it works better than any other plane we have tried.



Charlie agrees. See at: <http://www.skykingrcproducts.com/accessories/accessories.html>

- Bob Constable showed us a piece of Fan fold foam that was glued with the new Gorilla super glue that is foam safe. He pointed out that this is a great source for CA and can be found at local hardware stores.



- Bob Constable is setting up a multi motor brushless system on a RC plane. He has been doing some research and found a great source for information on how to set up a good multi motor system. To view the articles go to Castle Creations Web site.



- Nelson Frost brought in his Gambler for people to view. He did an excellent job building it and people liked the covering design. He shared some things he learnt while building the Gambler.



- Nelson provided the following write up. Thanks Nelson:

I have just finished my latest building project. It is a Gambler AG discus launch glider. The project was actually started a year ago and was held up by the prospect of glassing the pod. After all the excuses were brushed aside, I glassed my first pod. Sure wish I didn't wait that long. It wasn't bad at all. I continued along with the plans to the point where the wing was built up and joined, the pod was built, glassed and covered with mono-coat, and the tail boom glued in place.

Those of you who have already built a gambler may already know what happened when I researched building tips at that point. Two major issues came up. One was the trailing edge. Several tips on the discussion boards recommended the taper the TE before installation, "Very good idea." I was able to thin and taper the trailing edge on the wing nicely but it would have been a LOT easier and faster to do it in a jig before installation. Second, It wasn't referred to in the text but I saw pictures of the tail feathers mounted on the tail boom before it was glued to the pod. Unfortunately, I followed the plans by orienting the slot in the boom vertically with a piece of balsa and gluing it in the pod. When the plans got to putting the tail section together, the vertical stab didn't glue in vertical as I assumed it would. Notice I said 'assumed'. You know what that means. I ended up hacking into the pod and busting up the carbon fiber boom to get it turned to properly line up the tail with the wing. The boom was broken and split. I soaked it with pretty stiff after the CA to fail prematurely but I now unless and until I another complete kit.



I covered the wing and tail with light weight translucent covering. I used clear for the top outer wing panels. The clear that came with the kit was much different to work with than the

translucent stuff. It took more heat to seal and stretch. I am impressed with the results. I wouldn't have any concerns of more of it. It looks good and it is very strong. It's kind of nice to be able to see the structure inside to watch for future damage.

I took a 110Ma/hr pack out of my old hand launch glider and used that. The servos were too big from that plane so I used a couple of GWS pico servos from an old Lite Stick. I installed the AR6200 DSM2 Spektrum receiver in it. The main receiver (right picture) went inside the front hatch. The second receiver (left picture) I installed under the wing above the balsa shelf. The main receiver antennas are parallel to the wings curled up and the second receiver antennas are parallel with the pod. Not too bad on weight, 10 grams published closer to 11 actual. It's a full range radio with two receivers for when the Gambler is specked out. The pod is so small that the radio just fits in. It balanced out well with a home made 110 ma pack with no additional weight needed. It's fun going from 120 glow planes with big parts to tiny parts you can hardly see on planes that weigh as much as a banana all up ready to fly.



I took it out the BAM field on a calm afternoon last week and gave it a couple of forward hand tosses. It didn't need any trimming so I tried the tip launch. It's much easier than I thought it would be. I could get 40 to 50 ft with gentle swing, no spin. I have to improve my form on the spinning launches. Half the time it angles left probably because



I am not keeping the wings level at the release. I can wait to fly it in good air. It's going to be fun. The snow was rough on the leading edge of the lower half of the vertical stab. More hand catches are in order until the soft grass appears in the spring.

If you haven't tried discus launch because you think you can't do it. Think again. Try it. Nelson Frost

- Frank Bennett brought in his mini electric Helicopter. Nelson flies electric helicopters and has one similar to this one. He gave Frank some tips and they improved Frank's flying noticeably.



PRESIDENT'S CORNER

(JIM

ARMSTRONG):



Wednesday night glider get

together at Ken Mac Donald's

Members have been reading magazines, telling lies; Ken has been building his Electric mini Telemaster, doing things on Ken's computer, and having coffee to mention a few things. John Ostromecky is building his Frog at Kens.

By the time you read this we should be flying on Wednesday Glider night. We have enough light. Now we only need some better weather. It has been amazing how almost every Wednesday the forecast has been for lousy weather. Seems like it snows every Wednesday and every weekend.

WARBIRD AIR SHOW:

Paul Johnson provided information regarding the potential for setting up a booth at the Warbird Air Show that is typically held at the Portland Jet Port in September. We could potentially do some demonstration flying in a hangar at that time. Paul will give us an update as the time draws near.

Other Club member projects:

Jack Pignolo's latest creation is an electric EPP Eagle. Club members should have received an e-mail about how to get one too.

Jim, I flew the Eagle today. It flies great!! I can hardly wait to fly this thing at Popham and watch the Gulls and Osprey check it out. Should be some fun. It also looks like a good slope machine when the wind is not cooperating...

I purchased the basic all White kit and painted it myself, not the best but good enough to **fool the buzzards here in Texas**, their schools are not as good as ours in Maine...

Tech info as follows; Hobby Lobby Cheapo Essay XT400 Brush less motor \$19.95, APC 9X4.7 Prop, Castle Creations Thunder bird 18 ESC, Thunder Power 1300 3 cell lipo, 2 Tower Hobby 9g servos. 4 cans of Krylon **FUSION for plastic spray** paint, Brown, Black, Tan, Yellow..\$3.99A Home Depot. **High Temp FULL SIZE** hot melt glue gun. Be sure to use an H style bend on push rod at control horn end. (makes adjustments easy)





- Like to know what Charlie Kerr has been doing? He is dreaming about this one:



- When I took this picture John Cheetham was scratch building this Taube. He has completed and flown it. In the next newsletter I'll put a completed picture of it.



- Remember the November DSC newsletter that showed Paul Johnson's rhomboidal biplane called the Rhom Bus that he scratch built. He saw the plan in the November Model Aviation magazine, which described the plane as resistant to stalling. The idea developed back in 1911. (The Wright brothers utilized a canard wing to overcome stalling at slow speed.) Well John Cheetham really like the way Paul's flew but he wanted something bigger. So Paul made him a double size plan so John could scratch one out for himself. Here is a picture of the bare bones before John powers and covers it. End result is an interesting looking aircraft. This should be something to see in the air.



- Glenn Collins sent me the following:
Here's a view of my latest design. It's a foam copy of a Ultra Light plane design found on www.jivaro-models.org
It is constructed of depron and baboo skurs. Made up my own gear box for an N-60 / IPS motor. The weight is 4oz with a span of 32.5" and a chord of 4.6. The wing is cut using the clubs foam cutting CNC machine. I used the Sokolov air foil which is popular with rubber free flight guys because of its low RN performance. Covering is mylar wrapping paper. Wheels are cut down milk jug caps. I used 5g servos with pull pull controls and a bluebird receiver.
I'll send anyone the plans if they are interested. Look forward to flying it at our next indoor fly in Unity. Glenn





- Glenn Collins sent me some info and pictures on the Indoor Fun Fly;

Hi Jim,

We had a good time last Sunday in Unity flying indoor RC. Great spot for anyone interested in flying little stuff. John sets the bar for craftsmanship and flyability (new word). His Pietenpol Air Camper now sports a realistic model T engine and radiator and flies beautifully.

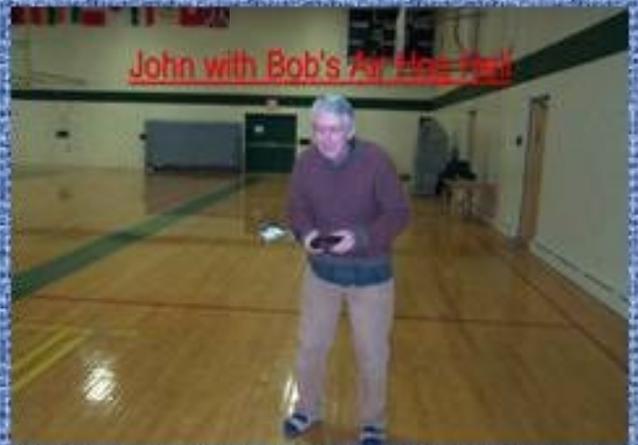
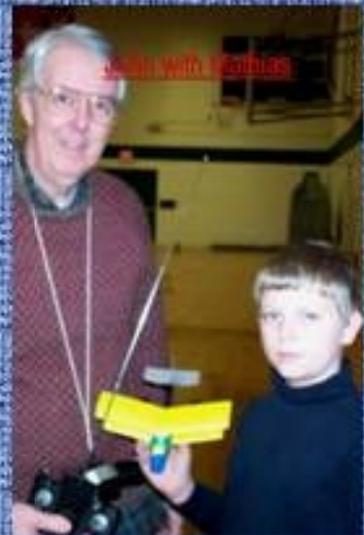
I've been trying to get the \$10 Christmas tree Shop Aeroace clone, like the one Bob got at the Yankee swap, into flying shape. My first attempt was a balsa micro Playboy RIP. My latest attempt is a micro-sized Parkflyer Pete. Despite having Snoopy at the controls engine troubles (prop on backwards) and rudder problems (bad attachment method) the Pete didn't fly. John's very knowledgeable about micro stuff so after some guidance and a little time back in the shop these troubles have been worked out.

Bob had a small powered glider that was shown in RC microflight some time ago. The floor of the gym is pretty unforgiving and the plane was promptly reeked. The lesson learned from Bob's and my experience is fly foam indoors and fly slow.

We have also been flying a number of RTF micro plans like the Airhogs planes and helis. These are great fun and typically cost less than \$30 with the transmitters and lithium battery. I've even been continuing my free flight HLG flying indoors. The little guy in the picture weighs about 2.2 grams and has a camber changing wing. The trailing edge flexes up on launch. The camber returns for the glide.

We look forward to others joining us on Sundays. We currently have Mar. 9 and 30 set aside.

Glenn



- John Cheetham scratch built this pusher canard named Kanardeze by Hal DeBolt. The plan was in a 1995 Model aviation Magazine. It has a 60 inch wingspan. Powered by a (the big gold motor) brushless motor using 7 cell 2200 NiMH batteries.



- John Cheetham has been going to town scratch building another one recently. It is called a "Poolboy" by Ken Willard. It was made from a Northrop plan out of the old Model builder Magazine. Wings are 39 and 36 inches long. John has flown it several times and it flies great. Plane is designed to fly off water. John is looking forward to flying it off the Androscoggin River.



Happy Safe Flying,
Jim