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207-725-5758

Secretary  
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207-748-1069



AMA Club Charter #2988

<http://www.downeastsoaring.org>

Vice President  
Mike Farnsworth  
207-729-7290

Treasurer  
Ken Mac Donald  
207-443-3585

### DownEast Soaring Club Upcoming Events

Event	Date	Time	Location
DSC Club Business Meeting	Saturday, 1/10/2004	9am coffee/pastry, 9:30 Business meeting, 10:30 Show & Tell (Slope afterwards?).	Bookland Coffee Shop, Cooks Corner, Brunswick *See Note 1

### Minutes of the Saturday December 13, 2003 DSC Meeting (As recorded by Jim Armstrong)

**President's Note:** The December 13th meeting was held at Bookland. The facilities as usual were excellent. Coffee and pastries were plentiful. It was a very cold windy day but pilots still braved the elements and went sloping at the Topsham sandpit after the meeting. Gusts were strong and put several planes into the trees. All were recovered without too much trouble. Mike even held one round of slope combat. Rick Hallett flew his new creation. It is made of fan fold and you have to see it to believe it.

#### WHAT'S INSIDE?

- *MINUTES OF DECEMBER MEETING*
- *"T" SHIRT INFO*
- *WRAM SHOW TRIP INFO*
- *NEW CLUB SLOPE TRAINER*
- *CLUB SLOPE BUILDING PROJECT*
- *SHOW & TELL*

#### MEMBERS PRESENT AT THE SATURDAY 13 DECEMBER 2003 MEETING:

Attendance:  
Jim Armstrong  
Mike Farnsworth  
Rick Hallett  
Larry Smith  
Michael Moore  
Glen Collins  
Rex Olmstead  
Frank Bennett  
Mark Higgins



#### Treasurer's report:

Treasure Ken MacDonald had another event he had to attend. Ken has been very busy updating Club membership.

#### Secretary's report:

Larry Smith reported that he had the Club listing from AMA and would be updating it and sending it back. In March the Club will receive the updated copy from them which lists AMA status of each member.

## OLD BUSINESS

### T-SHIRTS:

- Several questions were answered about the order and several questions recorded and answered via e-mail subsequent to the meeting.
- Jim Armstrong asked if anyone had any ideas for "T" shirt design. None received. After the meeting, Jim had an idea that he got from another Glider Club's "T" shirt. He put it out to Club members via e-mail and received approval to go with it.

-----Original Message-----

**From:** Jimmy Armstrong [mailto:jamesiii@suscom-maine.net]  
**Sent:** Thursday, December 18, 2003 7:14 PM  
**Subject:** Your input needed on "T" shirt order

**Please let me know if I have your OK to go forward on the following. One way or the other I would like to get a response from everyone. Majority rules. Some people will not care either way, therefore non responses will be considered as "for it."**

Plan is to have the Club logo on the front of the shirt, left chest area.

On the back we could put an outline of New England and an American flag inside the outline. The New England States should have some type of a border so you can tell them apart. We have had Club members in every New England state. It changes from year to year.

Overlaid over the top of the states would be a glider design.

On the top of the design we could put "DOWNEAST" and at the bottom we could put "Soaring New England."

Saw the flag in another Club's state and it looked cool as we can have up to four colors.

If people approve this design AMA graphics department will be contracted to do the art work.

So I need the Club OK in order to go any further.....



- Mac McGlaughlin did an outstanding job doing the artwork. He submitted the graphics that will be used on the front and the back. Because of his efforts, he will receive a free "T" shirt. Special "Thank You" to Mac for these outstanding graphics. Shown here is what will be shown on the front. Below is similar to what will be on the back and the DSC Web site will be listed at the bottom of it.
- E-mails on how to order have been issued. See below and make sure you e-mail or call Larry Smith on your order. See below:

-----Original Message-----

**From:** Jimmy Armstrong [mailto:jamesiii@suscom-maine.net]  
**Sent:** Friday, December 19, 2003 5:07 PM  
**To Current DSC members:**  
**Subject:** ORDER SHIRT NOW WITH FANTASTIC GRAPHIC

Hi Fellow RC Enthusiasts,

Members are giving me the go to place the order.

Mac McGlaughlin took the idea I mentioned and drew a fantastic graphic. In fact, one for the front and one for the back. He will get a free "T" shirt for his super designs. Was going to keep it a surprise, but people should see what will be on the front and back.

You can order any type of T shirt, golf shirt, sweatshirt on attached list. Just be clear on what you want. Didn't want to give out so many options, because the order may get screwed up. Let's hope it doesn't. **Send our Club Secretary Larry Smith an e-mail on what you want. [larrysmith45@comcast.net](mailto:larrysmith45@comcast.net)**

You can figure out about what it will cost by adding \$3.00 to the cost of T shirt, colored T shirt, Golf shirt, colored Golf shirt, etc. and that is what it should cost you APPROXIMATELY. \$3.00 should be more than necessary to cover silk screening and shipping and handling.

Info from AMA follows:

The design will work on any color of shirt you choose. White or black or even a total different color.

We do not print on pockets. We print above the pocket. .

Yes, you can order different colors in the t-shirts and golf shirts.

We have many choices of colors. There are too many too name in t-shirts. There are not as many in golf shirts.

Just ask for a color and I will see if I can get it or not.

Please make sure you send your request to Larry Smith

[larrysmith45@comcast.net](mailto:larrysmith45@comcast.net) and not to me. I have

forwarded what I received so far but may miss one so send it to the right person. I will make the order based on the list he gives me.

Happy flying,

Jim

P.S. Thanks to some Club members for help getting AMA and Club renewals straightened out.

**POPUP SHELTER:** Members proposed and passed a motion for the club to buy a popup shelter. Michael Moore put a report together for several types/sizes and the costs. He was given the OK to purchase one for under \$200.

### **CLUB EQUIPMENT STATUS:**

Background from the November meeting: Mark Higgins requested that the club winches be made more available for thermal flying. At the time of the meeting, the members present did not know where some of the club equipment was (trailer, retriever, and batteries). Some of it was believed to be at Jim Armstrong's. The second winch and one of three club batteries is at Mike Farnsworth's residence. Mike stated that the second winch still needed a little work. Mark Higgins will take the winch at the next club meeting and try to fix some of the problems with it. Mike has a foot pedal that needs to be wired up for it.

- Mike will bring the winch to the next meeting.



**DSC CHRISTMAS PARTY:** Noted that the date of the party had changed. Subsequent to the meeting Jeff had to cancel the party because of sickness. We hope Jeff and his family is feeling better.

**WRAM SHOW:** The WRAM show is February 20<sup>th</sup> though the 22<sup>nd</sup>. Several members are interested in going. Whoever goes will decide on mode of transportation. People interested at the meeting were Mike Farnsworth, Larry Smith and Michael Moore. Larry Smith volunteered to maintain a list of those interested. So if you want to go the WRAM SHOW, let Larry Smith know.

**LSF:** Mike Farnsworth added a link to the LSF on our site.

### **DUES and AMA Membership**

All members were reminded to renew their membership with the DSC and AMA. If you fly with us, you also need to be an active AMA member. Our club insurance covers the club and the property owner. The liability coverage does not cover us as individuals. You need to be an AMA member to ensure that you have your own liability coverage. Your web site privileges will be automatically cut off on the expiration date of your membership. You will lose access to the protected areas of the web site. Your classified ads and email address are also removed automatically as well. Please check your membership expiration date in your personal info. The following individuals paid their dues at the December meeting: Rex Olmstead, Michael Moore, Rich Hallett and Mark Higgins.

### **2004 DSC OFFICER ELECTIONS:**

The current slate of officers was nominated for election. No one else at the meeting was interested in running for any of the Officer positions. Therefore one ballot for current Officers was cast and approved by members present. Club officers appreciate the support of Club members.

## **NEW BUSINESS**

### **DSC WEB SITE:**

- Discussed listing member AMA membership status. Mike Farnsworth said he could add a column to enter AMA expiration date for each member.
- Discussed downloading Newsletters from the Newsletter section of the Web site. Efforts are being made to make newsletter size as small as possible and still have pictures in them. Michael Moore said he would add the file size to each newsletter listed on the Web Site.

**GENIE CD:** Rick Hallett passed out CDs on THE *GENIE SAILPLANE* By Harley Michaelis to anyone that wanted one. Thanks Rick.

### **PDF995:**

Jim has been using PDF995 writer to produce the newsletters in PDF format. We discussed the other programs that come with the PDF Suite. One of the other programs will reduce the size of the PDF. Motion made and approved to purchase the PDF Suite. Cost is \$19.95.

**CLUB RADIO AUCTION:** Club Airtronics radio was auctioned off. It had a broken receiver and a stick. Bidding was fierce and finally ended at \$10.25. Glenn Collins took it home.



**TIP:** Mark Higgins said that he went to a Fly Fishing place and found 2 broken carbon rods that he used to build discus HLGs. Also you can find used carbon arrow shafts at an Archery shooting range.

## SHOW & TELL:

**ITEM #1:** Rick Hallett brought in this Warp 9 Delta. He said: This small model at only 5 ounces of weight has the ability to take off vertically so I am told. I have not had the weather to try it. It definitely has the power. This small model was proven by one of the teenagers in the Bangor Gulls club

The BATTERIES are two cells of lithium poly 560 milliamps. The takeoff is way beyond what I should be drawing from them. Take off amps in this "wind" of the cdrom motor is over 5 amps. Of course in the straight this is going to be fast.

The design was supposed to be able to take off with a lifestick A motor and prop. That is the ten inch 4.7 I believe.

Of course the CONTROLLER is a 3 phase controller as needed by the cd rom motor. This is the new 10 amp unit from Castle Creations the Phoenix 10.



The PROP is a prop from the electric Japanese "tiger" line. Art Aube had a group of these in his shop. Also had two light folders.

Note carefully the keel RUDDER is underneath. It will not fly without the elevator being changed to elevons the other way up. The keel and the hanging down weight give the wing the idea of dihedral for rudder only turning.

The ANTENNA is a close wind of about 30 winds of Radio Shack #30 enamel on a one eighth inch plastic tube. Six inches straight up is supposed to give as good a range as a normal antenna. It does work very well but range is sliced to nothing when it is horizontal. It is a great weight savor in this type of application.

The model was made by running a bead of hot glue down between the two parts. The motor was trimmed and glued to the front the same way. The moving services were cut free and put on with the usual poly tape. The horns are bits of carbon from previous construction



If you have an A motor from a lifestick put it together. It will take longer to draw than to cut out and put together.

Rick

Questions are always welcome.

happl@midmaine.com

800 430 3058

At my 4 cents a minute now I have a hard time making my minimum of \$35 a month in long distance. Don't be afraid of calling from anywhere in the US. BUT please NOT from outside the US the rate is 50 cents.

**ITEM #2:** Michael Moore showed us his new winter project. He has since put pictures and info in the forum section. Sold as two models, Adriana Easy (no flaps) and Adriana (with flaps). One w/o flaps is slightly cheaper. SAL had a sale so I think I picked the one up with flaps for ~\$200. Both NSP and Esprit sell these as 'warm liners' (It's a two piece wing). Looked at some sites in France its used (or designed) more for LMR events. My goal with the plane is to have a nice full house TD plane without a winch. So going to build it as a LMR. Light weight for good thermal and just enough batteries for one good (fast) climb. It's an 80" span, MH32. I put an Aveox 2726/1.5 brushless with a 4:3.1 planetary reduction gear. Prop is a CAM 13-7.



12/20/2003 Update: It flew today. Its going to thermal very well, the below freezing killed my freshly peaked NiMH packs and the speed controller would not even start the motor. Ended up using a 10 cell NiCad for the trim flight. Got two climbs with it. Should do better if it's above freezing...

Here is the weight:

8 cell 1000mAh pack (600AE size cells) - 6.25oz

1 Complete wing panel 10oz (x2 = 20oz)

Fuse (RTF) 16.5oz

Total 42.75 oz round to 43oz.

MDM

**Item #3:** Steve Savoie brought in his newly built, never flown, Dave Aircraft Works ME 163. Steve did a nice job assembling it. It looked cool. Update: After the meeting Steve flew it at the sandpit and it flew great. Jim flew it on New Year's Day and really liked the way it flew. It is fast and tracks real nice. It doesn't get pushed around like other planes when flying in gusts.



## PRESIDENT'S CORNER (JIM ARMSTRONG):

### SPECIAL THANK YOU:

Special "Thank You" to Mike Farnsworth for adding an AMA status column to the "DSC Current Membership Listing", putting a link to the AMA member status and adding newsletter file sizes.

#### DSC Current Membership Listing

AMA Membership Status:  Current  Expired  Not Known

Name	AMA	Email	Phone	Street	City	State	Zip
James T. Armstrong III	<input checked="" type="checkbox"/>	<a href="mailto:jamesiii@blazenetme1.net">jamesiii@blazenetme1.net</a>	207.725.5758	292 Foreside Road	Topsham	ME	04086
Arthur J. Aube'	<input checked="" type="checkbox"/>	<a href="mailto:artshobbysupply@prexa1r.com">artshobbysupply@prexa1r.com</a>	207.474.7563	77 Hilton Hill Road	Skowhegan	ME	04976-9741

- [October November 2003 \(463 kb\)](#) ` [August & September 2003 \(551 kb\)](#)



### NEW PLANES IN THE SKY:

- Ken Mac Donald is shown here building his FF 1903 Wright Flyer on at Wednesday glider night get together at his house.
- Glenn Collins is building his Zagi at a Wednesday night get together at Kan Mac Donald's house.



- Jeff Carr sent me a picture of his Jumping Jack E3D AeroArtistic.



- Rick Hallett made a flying wing out of fan fold foam. He flew it after the Club meeting and it flew great. Why did he name it Fries? Simple! Rick said his last one was named Meat; so what else would you want with Meat.



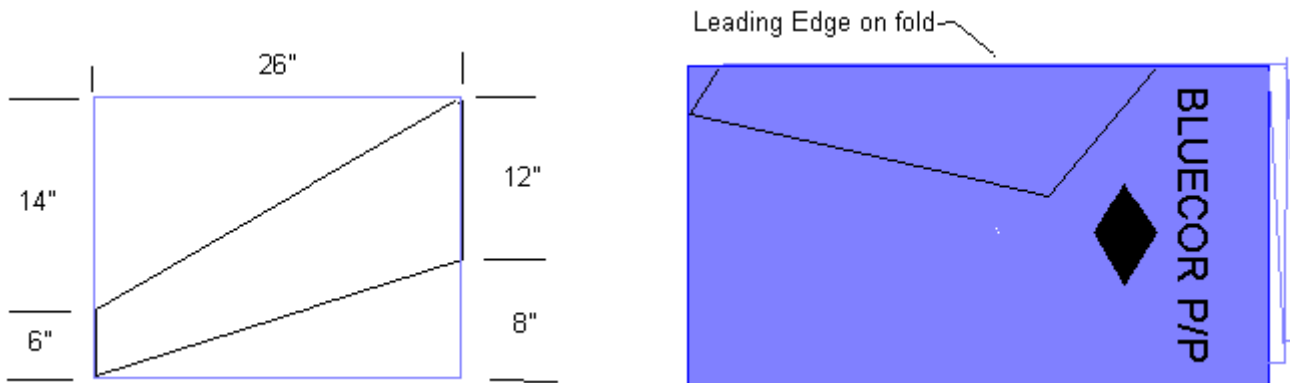
- **Club Slope Trainer:** Rick had a second fan fold foamy flying wing that only needed a radio. He donated it to the Club. I put the Club's gear in it and here is a picture of it. Only change from Rick's plane is the elevons are much bigger and tapered. On New Year's Day Glenn Collins flew it at the Topsham sandpit

and it flew unbelievable. Glenn said it flew better than the other wings he has flown. It got unbelievably high when the thermals came through. It got higher than my light Boomerang and the other planes that flew with him. The wind was challenging so we put it through a good durability test. It passed with flying colors. Glenn stopped flying because a servo came loose. If we set it in a bed of EPP we could prevent this type of problem.



See <http://home1.gte.net/texhills/index.html> for guidance like the following:

Wing Dimensions: I would suggest using a piece of cardboard or some other to make a template for your wing. The dimensions look like this.....



Position your template on the foam so that the wing tip is closest to the edge of the foam as pictured. This will allow you to have some drop off that is large enough to make some smaller wings later on. Just me being cheap.

**CLUB SLOPE BUILDING PROJECT:** Now you have seen two successful fan fold foam combat flying wings. You should be able to get away with regular size servos with servo savers. Remember you can use a \$12 mixer from balsa products if you don't have a mixing radio. I have one in my Avero Vulcan and it is working out fine. Sheets of Fan Fold Foam are a little over a \$1.00 each. Can you believe you can build one for around \$5.00 of foam? Lows sells the foam. We are getting one in Brunswick so we should be able to get it locally. In the meantime, we have some available for those interested. Come over Ken's on Wednesday night and build one with us.

**WINTER FLYING:** In an e-mail to me Rick Hallett said: *In spite of no sun got 7min 30 seconds ending at 3.45pm. During the flight there was a glimmer of sun on the top clouds at the beginning. Wind was gusting to about 10 with a start temp of 26F. I finally was warming up at the last flight. I asked him if he was flying electrics and here is what he said: No I was thermal flying using my gas powered winch. I always use that when flying by myself because it is light. I was surprised to get 7 minutes plus with no sunshine and a cold breeze. Practically froze to death as I started but as I got some exercise I warmed up and was actually quite comfortable towards the end. I cheat and leave the truck running and leave the TX in the defroster while I retrieve. Jump in the truck put your mittens on and go get the line and plane. Return jump in the truck blow your nose dripping in the cold and grab the TX in the TX mitten.*



*Now run to the winch and choke it start it and get it going smoothly. Usually requires a choke pull and one pull after choking then a couple of blips and let it unwind. Now with a slight wind - up launch as vertical as possible and let it kite.*

**AMA:** Please don't forget to re-new your AMA. You can go to AMA's web site, "Membership Verification" section, and put in your AMA number and name and it will tell you your current status. Example: **Membership Verification**

This page enables you to verify an AMA membership. Enter an AMA number and last name, and then click the 'Verify' button.

**This AMA Membership record has been accepted with the Effective Date 10/31/2003. All applications are considered in a Temporary Status for 30 days or sooner until payment clears.**

<b>AMA Number:</b>
<input type="text" value="326552"/>
<b>Last Name:</b>
<input type="text" value="savoie"/>
<input type="button" value="Verify"/>

Membership is valid for STEPHEN W SAVOIE (#326552) until 12/31/2004

**SAFETY CORNER: Many of us are now using Lithium Poly cells. I made a 2S2P pack from Kokam 1020 Mah lithium poly cells and tried to make sure I followed these safety items:**

**These safety tips are from Kokam's website:**

- When the cell is damaged by knife or sharp tools, inside electrolyte may be leaked and contaminates human body. The electrolyte's solvents are very harmful to the skin and eyes. Immediate washing with water shall be done.
- The cell should not be stored or kept with metallic object such as keys, pins or wires. It might cause short circuit and create heat and damage the cell.
- Do not connect the cell with other electrical power source than nominated charger. Excessive high voltage might destroy the cell.
- Do not store the cell besides a flame or heater. The cell might be swelled and might cause short circuit because of separator melting.
- Do not use the cell with other batteries. It might damage the cell or other batteries due to the excessive discharge or the unbalanced discharge.
- Do not store the cell after full discharging for more than one month. If the user wants to keep the cell more than one month, please charge 50%70%.
- If charging is not completed even though specified charging time is passed, stop using the cell.
- Aluminum is positive tab, nickel is negative tab, follow the +/- sign on the cell. *If you look at the cell you will see that one terminal is solid and one is made from two layers. The two layered terminal has a layer of aluminum and a layer of nickel bonded together. You can only solder to the nickel side which is on the front (text) side of the cell. - GS*
- When the tab is bent 180 degree, put insulating tape underneath the tab. Otherwise it might cause the short circuit with exposed aluminum material on the top of sealed area.
- Do not bend or deform the cell, it might cause the damage to the cell.

**Happy Flying,**

**Jim**

## DownEast Soaring Club Upcoming Events

Event	Date	Time	Location
DSC Club Business Meeting	Saturday, 1/10/2004	9am coffee/pastry, 9:30 Business meeting, 10:30 Show & Tell (Slope afterwards?).	Bookland Coffee Shop, Cooks Corner, Brunswick *See Note 1
DSC Club Business Meeting	Saturday, 2/14/2004	9am coffee/pastry, 9:30 Business meeting, 10:30 Show & Tell (Slope afterwards?).	Bookland Coffee Shop, Cooks Corner, Brunswick, ME *See Note #1
March 13th Club meeting	Saturday, 3/13/2004	9 am coffee & muffins, 9:30 business meeting, 10:30 Show and Tell.	Bookland Coffee Shop, Cooks Corner, Brunswick *See Note 1
April 10th Club Meeting	Saturday, 4/10/2004	9 am coffee & muffins, 9:30 business meeting, 10:30 Show and Tell.	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.



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