President Jm Armstrong 207-725-5758

Secretary Larry Smith 207-748-1069



AMA Club Charter #2988

http://www.downeastsoaring.org

Vice President Mike Farnsworth 207-729-7290

Treasurer Ken McDonald 207-443-3585

DSC Club Business Meeting and slope Contest afterwards

Saturday, 2/8/2003

9 am coffee/pastry, 9:30 Business meeting, 10:30 Show & Shop, Cooks Corner, Tell (Slope afterwards).

Bookland Coffee Brunswick, ME

Minutes of the Saturday, THE SATURDAY 11 JANUARY 2002 DSC Meeting

(As recorded by Jim Armstrong)

President's Note: This meeting was held at Bookland in the Cook's Corner Brunswick Mall. We had great member participation. It was a fun way to spend a cold winter day. Members were disappointed that the wind forecast was for no wind. Because of this, some members didn't even bring planes to slope soar after the meeting. However several did and tried it anyway at the Topsham sandpit and actually were able to do some sloping. The lesson to be learned here is to always bring your planes for light, medium and heavy lift no matter what the forecast is.

WHAT'S INSIDE?

- Minutes of January meeting
- 2003 Combat Slope Soaring **Contest information**
- DHLG Club Building project info
- "Show & Tell" Pictures
- Christmas party pictures
- Glare reduction tip
- WRAM Show trip plans

COMING IN UPCOMING **NEWSLETTERS:**

- Picture of the next Fund Raiser "Member only - winner pay raffle" Item.
- Slope combat report
- DSC member in the "Spotlight" Who wants to be next?
- What Jeremy Riecks' ICOM TC-R@ compact, ultra wideband scanner-receiver showed us?

MEMBERS PRESENT AT THE SATURDAY 11 **JANUARY 2002 MEETING:**

Jim Armstrong, Larry Smith, Clem Wilson, Glenn Collins, Rick Hallett. Mac McLaughlin, Charlie Kerr. Ken Mac



Donald, Forrest Sumner, Dave Martin, Michael Moore, Mike Farnsworth, Jeff Carr and Bret Carr.

TREASURES REPORT:

Treasurer Ken Mac Donald reported on the financial status of the Club.

SECRETARY'S REPORT:

Secretary Larry Smith reported he had no correspondence.

OLD BUSINESS

DYNAMIC SOARING SITE:

Background: Forrest said we had approval to fly in the site at Sebatus slope site but needs to get the AMA insurance forms to the owner. Forrest said we can try it out before we get the insurance. Required wind is NW. Jeff has seen it and says it should be good for sloping but may not be steep enough on the back side for dynamic sloping. Forrest said he will send out a map so members can locate it.

Update: Forrest said that he would be getting the maps out soon and would be working on getting AMA insurance for the site.

NEW THERMAL FLYING:

Background: Jeff got permission to use the field on the corner of RT. 9 and the Rabbit Rd. when it is cut. Jeff thinks that this field will be good for F3J. Discussed the possibility of using the field on the on the corner of Rt. 9 and Babbit Road in Durham. After some discussion, and Rick Hallett showing great enthusiasm on having a thermal duration contest closer to southern Maine. Jeff said that he would check the availability for a thermal duration contest.

- Rick asked Club members where we would like to have the May contest. Discussions were held. Members said that having it at Hemond's air strip in Minot, ME would fine.
- Charlie said that he talked with Mr. Hemond and was told that he may not be doing haying on the back field. This is because they will be using the area for campers when they have Motor Cross Races there.

Update: Jeff talked with John the owner of the Durham field and he said he has been happy with flyers. He will talk to him more some other time about using the field for a Thermal Duration Contest. Parking also needs to be discussed.

WHORFF TOPSHAM SANDPIT:

Background: Jim informed the Club that he has send the AMA insurance form to Mr. WHORFF to complete. Jim provided him a check made out to AMA and an envelope pre-addressed to AMA.

Update: AMA insurance certificate had not been received.

CLUB RETRIEVER:

Background: Steve Savoie purchased a 3 position Turbo/low speed/off switch for the Club retriever.

Thanks Steve. Now we need to purchase a solenoid to jumper the resistive wire. Motion was made to purchase one. Mac McGlaughlin said he had one and would donate it to the Club. Thanks Mac.

Update: Mac asked to be reminder to bring the solenoid before the next meeting.

SOARING VIDEOS AND CDS:

Background: Club reconfirmed that Jim A. was authorized to purchase any new glider tapes as they come out. Decision was made to buy in DVD Format.

• Jim reported that he had purchased the following video:



Our Most Entertaining Film Yet!

Our new high energy film **Just Want To Fly** celebrates soaring just for the fun of it! This new DVD and VHS video features a wide variety of fun and entertaining soaring action that all sailplane fans will enjoy. **Just Want To Fly** was edited especially for the DVD format and features high quality digital video and audio, fresh music, and interactive DVD menus.

Watch large scale planes alpine soar the Hahnenmoose Pass in the Swiss Alps, witness the extreme speed and destruction at the world's first Dynamic Soaring speed trials. You will also visit the popular 2002 Los Banos scale fly-in featuring a large selection of beautiful scale ships flying in terrific slope conditions.

Experience the 2001 Visalia thermal Duration contest with exclusive interviews with champions Joe Wurts and Skip Miller, TD flying action, and the wild night electric pylon race. A nice selection of extreme and wacky soaring including crashes and other flying rounds out this 75 minute film.

• Jim passed out the VCR log in/out book and bag of videos. Club members checked back in videos and checked them out.

CLUB TRAINERS/FLIGHT INSTRUCTION:

Background: Jim said the following in the last Presidents Corner "I have been instructing several people recently. It is much easier when you have a buddy box. The Club transmitter for the DAW 1-26 doesn't have trainer cord capability. The Club needs to purchase several setups that have this capability. I think we should buy some used gear so that we can keep it locked up for our use.

- Prior to the meeting Jim informed Mike that he had purchased a new Club trainer radio as authorized by the Club at the last meeting. He purchased Lazer 4 Hitec Radio for Club trainer on Channel 60
- Laser 4 Features: Elevon Mixing, V-tail Mixing, ATVs (Adjustable Travel Volume), Servo Reversing and buddy box capability.
- Quick discussion held. Rick wanted to know about the purchase of a second for the buddy-box.

Motion made to purchase a second R/C outfit and a second Club trainer plane. Discussed what plane to purchase. Also talked about having different people build parts of the plane. Discussed purchasing an ARF. Motion not acted on as it was decided to wait till the WRAM show to decide.

- Dick Rosenberg donated a kit built, 2 meter, L'IL BIRD. It is covered with a black Monocote fuselage and comes with two (2) wings, both Orange. The traditional L'il Bird wing is best on light wind days, while the second wing has better penetration and can be used on more gusty days. It is rudder and elevator controlled. Dick said "While this is an all balsa kit, it is remarkably strong and has survived many "beginners' landings" with no problem. I have been flying it for two years and have not ever had to repair it. For a learning pilot, that is a lot to say about how tough it is, yet how easy it is to fly." Special "Thank You" to Dick for this donation.
- Jim said he had sent a letter to Hitec asking them if they would like to donate a radio to be used as the trainer radio.

Update: No word from Hitec yet.

PLANE RECOVERY:

Background form past meetings: The topic of recovering slope planes from out of the top of large oak trees was brought up brought up at the last meeting. It was recommended that the Club look into purchasing "Lineman's telescoping poles."

- Ken Mac Donald Ken talked to Frank Rendee and he knows of a guy who is selling an 80 foot telescoping pole for \$~300.
- Mike talked to a CMP line crew manager about obtaining a used pole. No luck. They use them until they are no longer usable for anything except generating splinters. New ones are about \$300.

Members passed a motion to buy a new pole.

Mike Farnsworth said that he would purchase the telescoping pole. He will go through the CMP line crew manger that lives near him.

- Mike said there was some miscommunication. There is still some possibility that one may be donated to the Club. Cost is more than what we thought.
- Mac knows a guy that is in the business and will contact him to get some more information.

Update:

- Mike said he was too busy to get the information to order a lineman's pole. He asked if someone could do it.
- Mac said in a few weeks he would be seeing the guy he knows that is in the business that uses telescoping poles.
- Jeff says a light bulb replacement pole is what one Club uses.
- Mark suggested the Club use roof rakes. He said they go up quite far. He recommended the club consider them.
- Discussions were held. Jim asked members to raise there hand if they had a roof rake. A lot of members indicated they had roof rakes. It was suggested that everyone keep their roof rake in their vehicle so we could try to put several together for a plane rescue.

2003 SLOPE COMBAT EVENT:

Background: In a newsletter Rex Olmstead provided us with the first draft of the rules for 2003 Slope Combat contest event. People liked what he provided. We will continue to review them and post agreed to guidelines. Combat planned to be held after the Club meeting in January, February, March and April.

Update:

- Michael Moore donated 8 NIMH batteries in lieu of 15 dollar entry fee for flying wing class.
- Because the wind wasn't strong it was decided to start the Slope Combat event after the February meeting.
- Mike led the discussion on the scoring. Discussions were held and members voted on three scoring proposals and one was adopted.
- Mike said that he would revise the rules and provide them prior to the next meeting. He posted them on the DSC Web site in the Forum section. They are listed below:

Topic 🖶 Author <u>MikeF</u> USA DSC is hosting a non-AMA sanctioned slope combat competition. The event is open to all current AMA members. 75 Posts Contest Rules: The contest is 12 rounds per class and will be held after the normal monthly club meeting, weather providing. The contest will continue until 12 rounds have been flown in each class. Each round will last 10 minutes with the intention of flying no more than 3 rounds per class per Day. Three seperate classes will be flown: 1. Combat Wing (60 inch wingspan limit) 2. Combat Warbird (60 inch wingspan limit) 3. Combat Mini-Warbird * (30 inch wingspan limit) * Interest pending, the CD reserves the right to cancel the Mini-Warbird class and refund entry fees. Entry Fee: The entry fee for each class is \$15.00 payable to the CD. The entry fees must paid before a contestant can fly in the competition. All entry fees will be used to purchase prizes for contestants. The CD for this years contest is Mike Farnsworth mike@downeastsoaring.org Prizes: First Place prizes will be awarded to the winner of each class. Remaining prizes will be given by point standings and class. The CD reserves the right to determine the prize distribution at the conclusion of the contest with the intention of equally distibuting them among the contestants per class. The more classes you enter, the more prizes you win. Frequency Conflicts: Competitors are encouraged to use thier primary frequency to reduce conflicts. In the event of a conflict, rounds will be split into heats. Damage: Competitors are allowed to change airplanes/frequencies between rounds. Scoring: 1. Each kill is scored 10 points.

2. Each competitor flying at the end of the round will be awarded 1 survivor point. The CD reserves the right to change the survivor point scoring system in the interest of keeping the event fair for all competitors. Changes will be posted and will take affect after the next club meeting.

All hits must be scored within the combat box. The combat box will be approximately 200 feet long. A reasonable box will be decided by the CD at the beginning of the day depending upon the flying site and lift conditions.

A Kill is defined as follows: Any contact between 2 airplanes within the combat box that results in the permanent grounding of the competitors airplane. Hits that force a plane into a no lift area, which results in a grounding, are considered kills. Airplanes which make contact with the ground or any obstacle, but continue to fly afterwards, are not "killed".

Rounds:

A round will begin after all competitors are airborne.

Re-launches are not allowed during around.

Rounds are 10 minutes long.

Safety:

All airplanes flown must be specifically designed for combat. Each must have soft materials on leading edges and noses for the safety of the competitors. Coroplast tail surfaces and wing tips are acceptable.

Exposed control wires must not present a safety hazard. Exposed wire ends are not permitted on the forward end of control linkages (wires protruding from eazy connectors and e.t.c.)

Contestants are encouraged to signup by replying to this Subject or my email link. You will be required to specify the class(es) and frequency with which you inted to fly.

Dead Meet 2003! It is going to be fun...

Edited by - mikef on 01/24/2003 21:11:46

MikeF □ Posted - 01/24/2003: 21:03:54 🕸 🔁 🛣 🖹

Current Contestants:

Combat Wing:

Micheal Moore ch? paid Mac Mclaughlin ch? paid Mike Farnsworth ch24 paid

WarBird: 🐸

Jay Wiley ch39 paid

Mike Farnsworth ch24 paid

Mini-Warbird: 🤨

Mike Farnsworth ch20 paid

Watch Your Six!



R/C SWAP/FLEA MARKET EVENT:

Background: A member recommended that the club put an R/C swap/sell event together for this winter. He wanted to purchase some planes that are already together. Members seemed interested in pursuing it. Jim said he would check width the American Legion in Topsham. All Club members are asked to look for an inexpensive place to have it. We would need a place to display all the stuff people would bring for swap/sale.

Jim checked into the Topsham American legion. Cost would be \$200 for 4 hours for a member. Jim asked the Brunswick Area Modelers Club if they would like to have a joint one at the Pejebscott Terrace where they meet. BAM members approved the idea and their President Paul Johnson said he would work with Jim to put it on.

• Update: Jim reported that Sandy Schmidt BAM's Secretary was going to try to get permission to use the Pejebscot Terrace.

BUILDING PROJECT:

Background:

USA

75 Posts

- Discussed have a Club Building Project. Recommendation made to build a DHLG. It was felt that everyone should have a DHLG. It was agreed that every Club project should have an overall coordinator. Glen Collins volunteered to be the coordinator. As such, Glenn suggested setting up CNC cutter donated by Rick Hallett at his house so he could spend time on it when he had it. Unanimously approved. Jeff said that he could make the mold. It was suggested that the booms could be purchased at the WRAM show.
- Since the meeting, Glenn put out the following e-mail:

----- Original Message ----- From: <<u>gcollins@gwi.net</u>; Sent: Saturday, December 28, 2002 10:09 AM Subject: DHLG club project

Hello all

We currently have 9 people who have expressed an interest in the DHLG club project. Many people have materials that they are willing to donate. This will keep the cost reasonable. The Super Gee or some Drela derivative seems to be the model of choice. Some have expressed an interest in the use of kevlar in all or part of the wing. The use of Kevlar may make the cost prohibitive for some. With the use of the CNC machine and an assembly line approach to bagging. We could make several fiber glass wings for the cost of one Kevlar wing. We can discuss this. I'm no expert in this area.

The weekends seem to be the best time to meet. I'd like to start getting together Sunday January 6 at noon.



People who have not yet expressed an interest in the project but are just curious about what were doing are welcome to stop by.

Jeff, has started work on a plug for the fuselage. The CNC machine is working. It now runs at a reasonable speed. Appropriate temperature, speed and resultant kerf for blue foam have been determined. There is a fair amount of backlash that I still have to work out but the cuts are reasonably accurate. I live right across the street from Jeff. Look for Milkyway Lane (pvt drive) and go all the way down the back. If anyone needs directions let me know.

Update: Glenn reported at the meeting that there was about 9 Club members interest in making a DHLG. Glenn said that he had the Club's CNC foam wing cutter working good and that we could cut 2 wings per block of foam.

NEW BUSINESS

WRAM SHOW:

If interested in going to the WRAM show let Jeff Carr know. He said they are planning on leaving sometime (People interested will decide.) Thursday evening 21 February and coming back on Saturday, 23 February. Subsequent to the meeting Jeff sent out the following e-mail:

---- Original Message ----- From: <u>JSCARR4@aol.com</u>

Sent: Wednesday, January 15, 2003 10:34 AM

Subject: WRAMS Show

Everyone interested

So far there is a handful going. I have reservations at the White Plains Residents in for Thur. thru Sat just like last year.

These accomidations will be better than last year. Its only 1 mile from the show. Whos going Bret and I are.

Jeff

SHOW & TELL:

• Jim A. brought in a refurbished 6 amp regulated power supply he purchased from Samlex. Picture shows Charlie Kerr holding it. Samlex also sells a refurbished 3.5 amp regulated power supply. The 3.5 amp has a cigarette lighter socket.



- Rick Hallett displayed a fuselage he cut using his foam CNC cutter. He said he cut the
 - fuselage in sections and would show us more of it at a latter date. (Ed. Note: Can't wait to see Rick's creation)
- Jeff Carr brought in a half wing that he made for someone. It is for a Ferat Electric Sport Pattern Plane. It has a Kevlar leading edge, carbon spar, and .5

Oz. cloth then bagged. It came out very light.





Mac McGlaughlin walked us through how he made a mold from a hand carved propeller blade. He then explained the process he used to make each of the 3 blades. He provided me with the following write up, which is most appreciated: *Mr President*;

Hope that's not too formal for ya! I brought the show & tell, as an example of glass molding technique. Where the club project is a DLG with a molded fuse; I thought it may be of interest.



The task was to make a scale prop with 3 blades that were exactly the same for my current warbird project. I decided to make a glass mold and cast them in resin. The major difference in making the blades was that there isn't a nice place to divide the mold halves. The blade "plug" was carved from High Density Urethane foam, sanded, and filled, and sanded again. The same as the DLG "plug" that Jeff has made since.

The 'plug" was then bedded in modeling clay, with a 1/2"-3/4" lip all around the perimiter. Clay was used to allow for the uneven parting line required for the blades. Parting wax, and shoe polish was used to cover the plug, and clay. The glass layup proceeded by coating with Z-Poxy resin, laying a generous fillet of resin mixed with Flocked Cotton, and subsequent layers of 3/4 oz. glass, and 4 oz. glass. the first layer of 3/4 oz., being fine, eliminates voids or pinholes. When the first half of the mold was completely cured, it was popped off the plug, cleaned, and re-waxed. You only need to replace the plug back in the half you just made, and after generously coating the perimeter with shoe polish, lay-up the other half on top of it.

The clay used on the perimeter of the first half (being uneven) will make the two halves "lock" in position, when placed together. The finished prop blades were made by clamping the two mold halves together with clothes pins, and melting paraffin wax around the seam lines on the outside. Stand this up, and temporarily tape to a stationary object (paint can). I used casting resin (the kind used for bar tops, crafts, etc.) and filled the mold to the top. It cures slow, and won't heat up like regular epoxy. Remove the blade when finished, and sand lightly, and finish to suit.

I realize this isn't really a soaring type project, but thought the information may be useable to anyone wanting to experiment with glass molding. I look forward to seeing the finished DLG fuselages, they should be awesome! Hope this helps Jim. I did TRY to be concise!

PRESIDENT'S CORNER (JIM ARMSTRONG):

NEW COMBAT PLANES:

• Larry Smith informed me that he completed a Combat wing.

----- Original Message ----- From: Larry Smith To: James T. Armstrong III

Sent: Saturday, January 18, 2003 6:15 PM **Subject:** Slope combat contest(New Meat)

Hi Jim

I will be flying a Combat Wings XR Flying wing on channel 34. I will pay at next meeting. I attached a photo so everybody will know what to HIT. If it flys it Dies. Larry

 Matt Favreau informed me that he has completed a Zagi combat wing:

---- Original Message -----

From: TimeOut To: James Armstrong Sent: Saturday, January 18, 2003 12:54 PM

Subject: SITTING DOWN

Hi Jim,

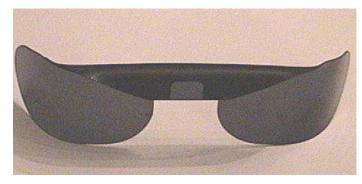


Are you sitting down!!!!!By the way the reason i wanted you to sit down is that my WING is done and looks great!!!! Do you believe it?????? Now i'm finishing my P51 foamy.. Matt

GLARE REDUCTION TIP:

This summer I learned how important it is to have POLARIZED sun glasses, when flying near the glare of the sun. I was using a buddy box to give my cousin's husband Richard some flying time on

Hallett's revenge flying wing at the Topsham sandpit. He needed my help at the beginning but quickly got the feel of the plane. When he flew near the sun, I took over controlling the plane but Richard said he had no problem flying near the sun. Well I did. I have since found out why. He was using polarized sun glasses. A friend from NH asked me to pick him up some polarizes sunglass inserts for his wife's prescription glasses. He new they sold them near where I work. Well I picked up



a set for me too. They are real nice and cost about \$5.00. They just slip in behind your glasses. I use them with my prescription photogray sunglasses and boy do they make a difference.

BAM/ DSC FREE SWAP MEET / FLEA MARKET:

Approval to use the Pejepscot terrace, Brunswick has been received.

---- Original Message ----

From: "E Schmidt" < eschmidt@blazenetme.net>To: "James T. Armstrong III"

Subject: Re: I screwed UP on the date!!!!!!! [AMAdistrict1] District 1,2 Swap meets / flea markets

> I have now arranged for Sat April 5 at Pejepscot for the swap meet. Does

> this seem OK? Sandy

BAM/DSC Free Swap meet / Saturday, 11 AM till 3 Pejepscot Terrace Brunswick Maine Directions: http://bam.rcclubs.com/

R/C TRANSPORT VEHICLE:

Jay Wiley stopped by to show me his new 2003 Toyota Matrix station wagon. He said he chose it

because it can carry all of his R/C glider and powered planes. The wagon was designed for the skier and snowboarder in mind. Both of the rear seat lies completely down and the front passenger seat does too. There are tracks and sliding clips that can be locked down in different locations depending on what is being carried. There is five and half feet of room to the back of the front seats and over eight feet to the dashboard with the passenger seat folded down. It has a couple of DC outlets and lots of cubby holes for stuff. There's also A/C, and an AM/FM-CD-Cassette for those long rides to the field.



Happy Flying, Jim

DSC Christmas Party 2002

Special "Thank You" to Brenda, and Jeff Carr for opening their house for a fun time. Also to those that brought great tasting food. Edna's cheese cake "was to die for."





DownEast Soaring Club Upcoming Events

Event	Date	Time	Location
DSC Club Business Meeting	Saturday, 2/8/2003	9am coffee/pastry, 9:30 Business meeting, 10:30 Show & Tell (Slope afterwards?).	Bookland Coffee Shop, Cooks Corner, Brunswick, ME * See Note # 1
Dead Meet 2003 (Slope Combat)	Saturday, 2/8/2003	After each club business meeting	To be determined at the club meeting. * see note below
DSC Club Business Meeting	Saturday, 3/8/2003	9am coffee/pastry, 9:30 Business meeting, 10:30 Show & Tell (Slope afterwards?).	Bookland Coffee Shop, Cooks Corner, Brunswick, ME * See Note # 1
BAM/DSC Free Swap meet / Flea market	Saturday, 4/5/2003	11 AM till 3 PM	Pejepscot Terrace Brunswick Maine Directions: http://bam.rcclubs.com/
DSC Club Business Meeting	Saturday, 4/12/2003	9am coffee/pastry, 9:30 Business meeting, 10:30 Show & Tell (Slope afterwards?).	Bookland Coffee Shop, Cooks Corner, Brunswick, ME * See Note # 1
May MTG / No Host Slope Soaring Pizza Festival	Sunday, 5/4/2003	Business meeting 11 AM till Noon, Flying before/after meeting,	Clark's Cove, Harpswell, ME; Low tide 10:59

- 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. For all events held at Clark's Cove: Pizza and Subs can be purchased at the Morse convenience store on RT 123, 1 mile past Allen Point Road (1 mile from Clark's Cove)
- 3. 'NO HOST' means no one is in charge of the get together. Everyone is on their own. A 'NO HOST' scheduled on a non meeting day may have no one show up. The biggest reasons for not attending are wind not predicted for S/SW or other plans.



c/o President / Newsletter Editor James T. Armstrong III 292 Foreside Road Topsham, ME 04086

Address Here: