

THRUST LINE

SKY STREAKERS R/C CLUB NEWSLETTER NEW GLOUCESTER, MAINE
DECEMBER 2002 EDITION

PRESIDENT

Nelson Frost

VICE PRESIDENT

Dave Marin

TREASURER

Dave Edwards

SECRETARY

Rosalie Marin

BOARD OF DIRECTORS

Peter Flanagan

Ray Labonte

Charlie Nelson

Bob Baker

FIELD MARSHALS

Bruce Morse

Norm Ridlon

SAFETY OFFICER

Bruce Morse

NEWSLETTER EDITOR

David Marin

588 Milton Road

Milton Twp ME 04219

(207) 369-0408

wemarins@megalink.net

*The deadline for
submissions is the first day
of each month.*

FROM THE PRESIDENT

Hello everyone. Can you believe there are only twenty some days till Christmas? Where has the year gone? I have all my shopping done, do you?

If you haven't been to the new meeting place yet, it can be tricky to find the correct entrance to use. The easiest way to find your way is to walk in, look around. Do you see Bingo cards and tables set up? You're in the wrong door. *Just kidding!* As you face the building from the road, the door you want is on the left and towards the rear of the building. Go down the stairs, not up, and you will find it. Bring along some goodies to eat or drink (alcohol free) for the meeting. The meeting will consist of VERY little business. Only critical issues should be addressed. I spoke to Mike Ladd and he will have a road condition update for us. I hope to see some airplanes for plane of the month competition. We will also have the fuel raffle. The BIG drawing consists of two cash prizes. Don't forget that you have to be present to win when your name is drawn from the pink tickets in the nut can.

It would be a good idea to get your membership renewed before the end of the year to avoid losing access to the web page and the newsletter. Don't forget to get your AMA membership renewed also. All flying members are required to belong to the AMA. You can sign up with them right on the Internet.

I have been busy building a garage so I haven't been building planes lately. I can't wait to get back into it. I think that the skis I made last year will fit my bigger Cub. It's quite possible that this year if I get them installed, I may even get to fly off the snow at least once. Wouldn't that be something? You probably know that last year I made the skis and didn't use them once. If I remember right, it was much easier to make skis than it is to install garage doors. If I don't forget, I'll bring some copies of the plans that Mac made last year for his scratch built skis.

I can't stress enough the importance of being careful with CyA glues. Using them indoors without proper ventilation can cause severe health problems in some people. There have been reports of people being hospitalized or worse. **Please, BE CAREFUL!**

Happy Holidays everyone. See you at the meeting.

By Nelson Frost



NOVEMBER MEETING MINUTES

The November 2003 regular monthly meeting of the Sky Streakers R/C club was held on the 14th at the AMVETS Hall in New Gloucester.

President **Nelson Frost** opened the meeting at 7:30 p.m. with 21 members present

The Secretary's Report was accepted as published in the newsletter.

The Treasurer's Report was given by the treasurer, **Dave Edwards**. His figures as of the 31st of October 2002 are as follows:

Checking Account Balance:	\$1,161.54
Reserve Account Balance:	<u>\$5,114.52</u>
TOTAL ASSETS:	\$6,275.06

The report was accepted as given.

OLD BUSINESS

Len Fox reported that he and **Ray Labonte** have completed the listing of Ray Vigue's items that will be for sale. He will be meeting with Mrs. Vigue to get her approval for the list that will then be forwarded to the newsletter editor for inclusion in the December newsletter.

NEW BUSINESS

Ray Labonte extended an invitation from the Proppsnappers R/C Club to join them for their Holiday Party to be held on December 10th the second Tuesday of the month at Verrillo's in Portland. *Happy Hour* will be from 5:30 to 6:30 pm., with dinner to follow at 6:30 p.m. (Attendees will pay for their own meal and beverages.) There will be door prizes and raffles to be held. There is a sign-up sheet at Ray & Robin's and anyone who plans to attend the festivities is asked to sign-up ahead of time.

Mike Ladd reported that the access road has washed out in the location of the gully again. Mike knows the company that is hauling gravel out of the road and will ask them to repair the problem ASAP. The amount of \$1,500. was appropriated in the recent past for the installation of a culvert at that location but the work was never done. A motion was made to enable the President to re-appropriate the money so that the work may be done.

A hearty round of applause was given to Bruce **Morse** for finding such an excellent place for the club to hold our meetings. **THANKS AGAIN, BRUCE!**

FUEL RAFFLE

Ted McKibben (WHAT IS your secret, Ted?) and **Bob Baker**.

The question was asked regarding the pink and green colors of the fuel. **Ray Labonte** was able to inform us that the pink contains a combination of castor oil and oil. The green fuel contains only synthetic oils.

Charlie Kerr reports that the blue fuel is made to look like windshield washer fluid and related a hilarious tale of the time he accidentally filled his car's windshield washer fluid container with model fuel!

PLANE OF THE MONTH

Unfortunately, no one brought in a plane for the competition this month.



The December meeting is traditionally the "Holiday Party Meeting." All members are asked to bring in some goodies (NO alcohol) to share with the others. Also, bring in your latest project to show off or to get assistance with. The attendance raffle will be held and you have to be present to win. (Be forewarned – if your name is drawn and you have failed to attend, you will be subject to one years worth of razzing from the other members!) The AMVETS Hall is the ideal meeting place for the club with plenty of table space, chairs and room to move around. Come and enjoy the evening with your club!

*submitted by Rosalie Marin
secretary*

RENEWAL FOR 2003

Name:

AMA #

Mailing Address:

Telephone:

Email:

Frequency(ies):

Please mail along with your check (**Made out to: The Sky Streakers R/C Club**) to:

Rosalie Marin
588 Milton Rd
Milton Twp ME 04219

Or, bring this form and cash or check to the next meeting to renew your membership. ALL privileges including the newsletter, web access and use of the field, EXPIRE March 31, 2003.



ADHESIVES by Roger Layton

'Twas Right Before Christmas

'Twas right before Christmas,
And all through the house,
Yes, a creature was stirring,
In the basement ... the louse.

A servo in hand, an expression of glee,
Forgetting entirely to put up the tree.
The ribs of the wing were aligned with great care,
In hopes that the bird would soon soar through the air.

The kids were asleep, all; sung in their beds,
With fumes from the glue surrounding their heads.
My husband still at it, the glue almost dry,
Aligning the stab with a glint in his eye.

The kit was quite costly, the radio much more,
He showed me the bill and I slumped to the floor.
He assured me, "My dear, the sport is great fun,"
I just couldn't wait "till the whole thing was done."

I, in my curlers, and "Waldo" below,
(Preparing, I'm sure, for the Toledo Air Show),
Heard from the roof such a terrible clatter,
That I jumped from my bed to see what was the matter.

I threw open the window, and what should appear,
But Santa himself with eight tiny reindeer.
He landed quite nicely near the chimney and grating,
He assured me he could, with his Pilot 11 rating.

He spoke not a word,
But went straight to his work,
Helping my husband ...
With the rudder, the jerk.

He did leave some presents for the kids, as you see,
And even some things for my husband and me.
And placing his finger at the side of his nose,
A twinkle in his eye, up the chimney he rose.

Transmitter on,
To his team gave a whistle,
And off they all flew,
Like the down of a schneurle ported pylon racer.

And I heard him exclaim as he banked to the right,
"Flare all your landings and have a good flight."

*from The Jefco Flyer
Bob Corwin, editor
via AMA National Newsletter
November 1999 edition*



Cyanoacrylate (CyA) Adhesives: Part of the history that abounds of CyA is this: It was developed as an alternative to sutures and bandages for treating open battlefield wounds during the Viet Nam War. This seems to make sense in light of its ability to instantly weld the fingers together of any careless modeler. That little bottle of instant repairs you buy is actually a chemical called cyanoacrylate monomer which, except for inhibitor, would instantly form a single plastic blob of polymer with accompanying heat and fury that would resemble the China Syndrome.

CyA was on the market for a number of years before it came to the construction hobbies. The adhesive was so fluid that it could only be used to mend nonporous materials like ceramic, plastic and glass. It certainly did not work on balsa, which merely soaked it up like a sponge. Later, when viscosity modifiers were added, it became generally useful and ended up "in our hands" (pun intended).

The advantages of CyA are speed and hold. The disadvantages are cost, vapor, and brittleness. Please be your own judge, but I will not use it for whole airplane construction. It has a place and is excellent for certain applications. For many butt joints and T-joints, CyA is too brittle, especially in large airplanes. Aliphatic glue is a much better choice.

CyA is specified as the adhesive of choice for wing skins. In this application, it is too hard and makes sanding to an invisible butt joint very difficult. Cellulose-based glue like Siment® is the quintessential choice since it is the sole truly sandable adhesive.

Cyanoacrylates are excellent for tacking parts into place to speed up construction followed by regluing with an aliphatic adhesive. CyA is unequaled for making repairs and piecing a crashed beauty back together. When you use CyA, be careful not to draw debris such as sawdust or baking soda (incidentally a good, inexpensive accelerant) into the bottle. It may cause the entire contents to harden.

Aliphatic glue: The parent for this type of glue is doubtless Borden's white glue. Borden's is a very strong glue which penetrates wood well. A second generation of such glues contains fillers which render them somewhat "sandable." Regardless of the claims, none are truly sandable since their binder is rubbery. In my mind, more expensive is not better. The hobby store brands like Pica's "Gluit" and others are expensive and not very sandable. Borden's yellow woodworkers' glue is strong, inexpensive, and as sandable as any I have found. On large built-up fuselages and wings, I recommend using Borden's woodworkers' glue for most of the "inside" construction including attachment of the skin. But I glue the skins together and other pieces to be sanded with Siment®. Firewalls, landing gear blocks, and hard points are attached with epoxy.

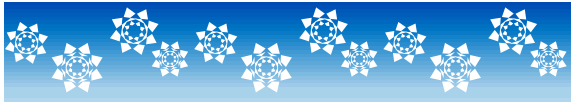
Silicon caulk or RTV: This is an excellent adhesive which does not harden. This provides considerable shock absorption. This material is particularly good for attaching parts inside fiberglass fuselages. There must be ample gluing surface.

Fiberglass flexes in a finished airplane during flight will cause brittle joints made with CyA epoxy or other adhesives to fail. Many servo trays have broken loose during a hard landing. Certainly, you have noticed the vinegar smell of silicon adhesive when it cures. Do not use this adhesive around electrical components. Connect cells in a battery with hot melt adhesives.

Rubber Cement: The next time you want to make little protective foam boxes for your receivers or batteries, use rubber cement. It maintains its flexibility and will never let go once it is dry.

3M™ Spray Adhesive: Formula 77 is excellent for attaching paper rib and bulkhead patterns to balsa or plywood during scratch building. If you want to remove the pattern from the wood after cutting, allow the adhesive to dry on the paper for more than a minute before applying. The paper will not stick quite so tightly and the adhesive will not transfer to the wood. 3M can also be used to hold 6 oz. fiberglass in position on the wing center while epoxy or polyester resin is applied. It is great to hold plans flat on building board.

*from Rock Valley RC Flyers
Rockford IL
via the MMAC Newsletter, Dick Sarpolus, Editor
via Internet*



Do You know ...

...How to find the channel number when you know the frequency number:

1. Take the hundredths from the frequency number (72.810; use just the 81)
2. Add 21 (81+21=102)
3. Divide by 2 (102/2=51)
4. **THE CHANNEL NUMBER YOU ARE LOOKING FOR IS ---51---**

SHOP SAFETY

by Mike O'Donnell

Chemicals and Solvents

Storage of chemicals in the shop can be dangerous. If possible, store them away from the house in an outside storage shed. Pay close attention to the types of chemicals and solvents you store together. They can and will explode or start a fire.

Eye Protection

Always use proper eye protection when grinding, spraying, chipping, or sanding. A pair of safety glasses is a necessity in the shop.

Lung Protection

Use a respirator when sanding, spraying, mixing chemicals, working with solvents or cleaning up a dusty shop. There are all kinds of respirators, so make sure you're using the one you need for the job you are doing.

Open Flames or Hot Tools

Keep a fire extinguisher handy.

When using open flames, like a butane torch, watch what direction the flame is pointing and keep clear of flammable items.

When using a soldering iron or covering iron, keep the area clear and use a bench rest when possible. Always turn off tools and unplug them when they are not in use.

Hand and Power Tools

Use the tool for the task it was designed for.

Keep tools in top condition.

Make sure they are oiled regularly, stored properly, and adjusted.

Checklist of things to keep in the shop:

Fire Extinguisher
First Aid Kit
Eye Wash Out Kit
Super Glue Debonder
Good Lighting
Smoke Detector
Eye Protection
Ear Protection
Lung Protection
Hand Protection

Things to do in the shop

Keep it clean.

Keep the floor clear of trip hazards.

Keep flammable items away from the hot water heater and furnace.

Do not leave paintbrushes in solvent overnight.

Things not to do in the shop

Do not overload outlets.

Do not store solvent rags in open cans.

Do not leave paintbrushes in solvent overnight.

*from The Beacon
Joe Bachman, editor
Solana Beach, CA
via AMA National Newsletter*

ACTUAL Classified Ads

taken out of newspapers

FREE YORKSHIRE TERRIER.
8 YEARS OLD. HATEFUL LITTLE DOG.

FOUND: DIRTY WHITE DOG. LOOKS LIKE A RAT...BEEN
OUT AWHILE. BETTER BE REWARD.

1 MAN, 7 WOMAN HOT TUB -- \$850/OFFER

COWS, CALVES NEVER BRED...
ALSO 1 GAY BULL FOR SALE.

GEORGIA PEACHES, CALIFORNIA GROWN – .89/LB.

NICE PARACHUTE: NEVER OPENED – USED ONCE.

JOINING NUDIST COLONY!
MUST SELL WASHER & DRYER \$300.

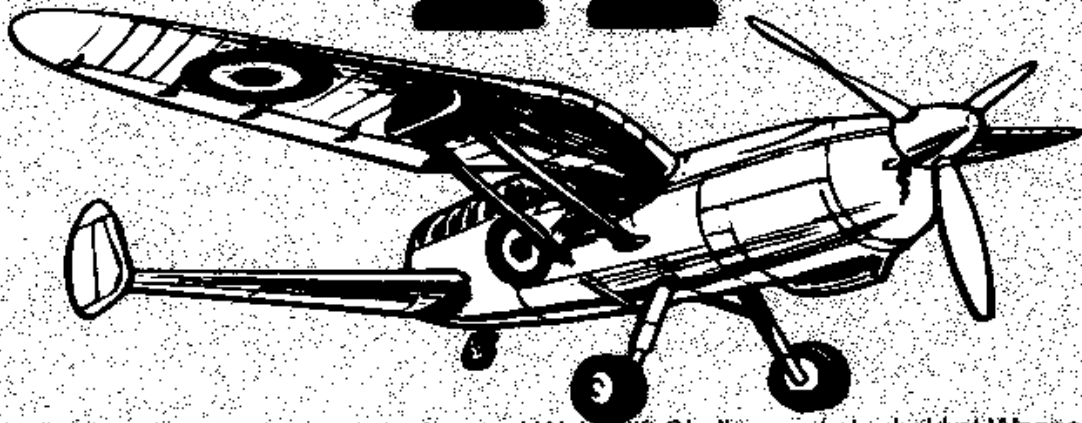
OPEN HOUSE BODY SHAPERS TONING SALON
FREE COFFEE & DONUTS

FOR SALE BY OWNER

Complete set of Encyclopedia Britannica, 45 volumes. Excellent condition. \$1,000. or best offer. No longer needed. Got married last weekend. Wife knows everything.

via Internet

Southern NH Radio Control Club Weightlift Challenge



Event:

The SNHRCC is sponsoring the second annual Weightlift Challenge, to be held at Wagner Field in Hudson, NH on July 27th 2003.

The competition will be to determine which model can, perform an unassisted take-off, fly 360 pattern and land intact on the runway carrying as much weight as possible.

Any single, stock, two-stroke engine not exceeding .46 cu.in. displacement with a stock muffler will be allowed. No limitations will be placed on size, materials or configuration of the aircraft (no lighter than air gasses). As many flights as time permits will be allowed between the hours of 10:00 AM and 4:00 PM.

The cargo container(s) will be considered as part of the weight carried and must be easily removed for weighing after each flight. Aircraft must be flyable with weight / container(s) removed.

The number of team members, and sponsors of teams will be unrestricted. The entry fee for each model will be \$50. A minimum of \$1000 will be awarded to the top performers. Only the team pilot will be required to have a valid AMA license. Fifteen percent fuel will be supplied to the competitors by the SNHRCC.



**For directions and more
details go to our web site at
www.snhrc.org**