



Stetson Flyer

Stetson Flyers Model Airplane Club

February 2005



Next Meeting

Tuesday, February 22nd
7:30 pm

Don't forget your "Bring'n'Brag"!

How's your Harvard?

At the November meeting the executive put out a building challenge to the club: build a Harvard / AT-6 as described in Model Airplane News, and bring it to the February Meeting.

Well, the February meeting is upon us. Even if not ready to fly, even if it is only a wing or a fuse, bring it along for Bring'N'Brag to show what you have done.

At left are some shots of Scott Clarke's effort.

Coming Stetson Events...

February 19 th	Winter Fun Fly
February 22 nd	Regular Meeting
March (date TBD)	Mall Display and Show
March 29 th	Regular Meeting
April 26 th	Regular Meeting
May 31 st	Regular Meeting
June 11/12 th	Ed Rae Zone Fun Fly
September 3 rd /4 th	Giant Scale Event

Our website address: <http://www.stetsonflyers.com>

Club Officials and Contacts

President	Scott Clarke	613-824-5114	president@stetsonflyers.com
Vice-President	Greg Marshall	613-729-9105	vicepresident@stetsonflyers.com
Secretary	Pete Tessier	613-443-1472	secretary@stetsonflyers.com
Treasurer	Rick Ramalho	613-741-3337	treasurer@stetsonflyers.com
Membership	Greg Marshall	613-729-9105	vicepresident@stetsonflyers.com
Chief Flying Instructor	Maurice Edkins	613-841-3264	
Webmaster	Pete Tessier	613-443-1472	webmaster@stetsonflyers.com
Newsletter	John Jackson	613-445-5726	editor@stetsonflyers.com

Mailing Address:

The Stetson Flyers Model Airplane Club
P.O. Box 456, Orleans, ON, K1C 1S8

Web Page:

<http://www.stetsonflyers.com>

Dues:

\$70.00 per calendar year; \$30.00 for students under 18

Meetings

The Stetson Flyers meet at 7:30 on the last Tuesday of each month, except for December, June, July or August. The meetings are held at the Canadian Aviation Museum in the Bush Theatre.

To receive the newsletter by email, send **your** email address to editor@stetsonflyers.com

Please visit our web site at

<http://www.stetsonflyers.com>

Our web site is hosted as a community service by



Magma Communications
EXCEPTIONAL INTERNET

Newsletter Questions and Answers

Receive this newsletter via email!

Instead of sending a printed newsletter by Canada Post, we can send you an email notice with the web site address where you can download the newsletter each month. The file is an Adobe Acrobat PDF file, which means that you need to use a FREE Acrobat Reader software to view or print the document. There is a link to the Adobe site to get the FREE software on our web site.

The benefits to you are faster delivery, colour pictures, less cost to the club, and environmentally friendly to boot!

How do I open the electronic newsletter?

You *the latest version* of the free Adobe Acrobat Reader software installed on your computer. You can download this from:

<http://www.adobe.com/products/acrobat/readstep2.html>

If you are using a dial-up modem, this may take about 30 to 40 minutes to download.

Why do I get errors opening the newsletter?

Most likely you have an older version of Acrobat – perhaps version 3 or 4. Please the install latest version as described above. It usually fixes all the error messages when printing or opening the newsletter.

I used to get emails about club events, but now only get a printed newsletter – what happened?

Mostly likely your email address changed or failed and we were not given a new one. When this happens we revert to printed newsletters. To get back on to electronic distribution, just send an email to editor@stetsonflyers.com. By default, those with email addresses will be notified when the electronic version is ready for download. You can ask to

Meeting Minutes-January 26 2004

Meeting was opened by Scott Clarke at 7:57 PM. Motion was passed by Mike Gratton and Dave Martin to accept the minutes as published in the newsletter. Carried

Treasurers Report Lease was paid for 2005. Bank balance is at \$1349.00. GIC around \$7100.00

Newsletter Editors Report- John Jackson had nothing to ad. (it was noted that the newsletter was received ahead of time 2nd time in a row)

Secretaries Report- Pierre Tessier has nothing to report

Webmaster's Report- Pierre Tessier reported that the club web site now has a new section and all should go and check it out.

CFI (not present) Scott mentioned that Maurice Edkins will need volunteers for ground school.

Winter Fun Fly Motion on floor from Ed Whynott to have it on the 19 February same date as Dome seconded by Mike Gratton. Dave Asquini will cook up a pot of chilly.

Mall Show Gerry Nadon as contacted St Laurent and they have asked that we come up with 3 probable dates we may want and a list of our requirement...Greg will be in charge of organization and volunteers. Late March early April was decided on. Gerry will have more for the February meeting.

Special Thanks- Scott Clarke gave thanks to Marcel Pronovost for clearing the laneway and parking lot at the field.

Membership Dues Scott encouraged members to pay dues ASAP, in order to get some money into the account. Discount Hobbies will still be handling membership and dues as usual.

Fund raising Maurice Edkins was not present there was no 50/50

Zone Fun Fly- First meeting was held and a comity was formed, Scott Clarke and Gary Baughman have volunteered there services to represent the Stetsons. Scott mentioned a few names of reps from all over the zone who have also volunteered, Brian Wattie, Rolly Simonson, John Weeks, and more... The name that was decided on is, *Upper Canada*

Fun Fly 2005 Ed Rae Memorial. Date- It was decided on June 11th and 12th The membership has also decided that this would be a 2 day event.

We are to expect a full gamut of variety of planes and types of flying. There will be incentive for pilots to pre register and prepay. The cost for those who prepay will be 10 dollars 12 at the gate and there will be an early bird draw for those who prepay.

The Stetsons are responsible of the canteen and all profits go to the Stetsons. Gary Baughman will organize volunteers for the canteen. We are also in charge of the flight lines. Scott will have more to report on next meeting.

It was raised that the zone usually helps to fund these events, Scott explained that due to insurance cost skyrocketing the zone directors funds were clawed back. Police and Emergency services for the area will be notified of the event.

Thunder Dome 2 more nights, 19 of February 7:30 to 9:30 is the next one. Come and check it out. Blackburn Hamlet's Hornets Nest across the street from Francon on Bearbrook.

New business none

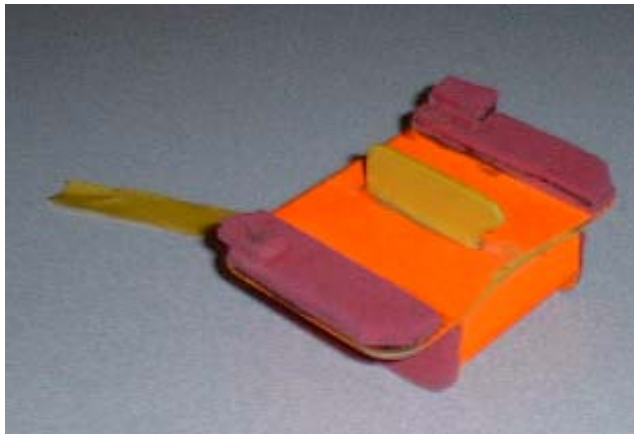
Meeting was adjourned by 8:32 PM.



Bring'N'Brag from the January Meeting.

Drop off Launcher for Hand Launch Planes

At our last meeting Mr. Williamson brought in his Sabot Launcher, an ingenious device for those with hand launch planes where there is no good place near the centre of gravity to grip the plane and launch it. The finger grip fits into a slot in the bottom of the plane and falls away a few feet after it leaves your hand. The pictures left show the slot in the plane and the launcher installed on the plane. Below is the launcher itself. Detailed drawings for making your own appear on the next page.



Technique Number "426" For Securing a Fuel Tank Inside an Aircraft

By Gary Baughman

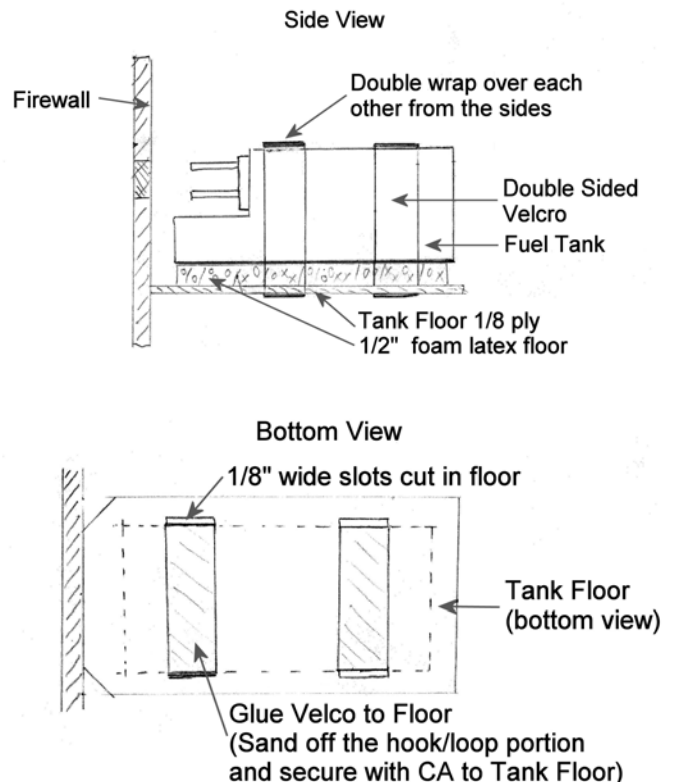
While constructing a Giant Lanier Stinger this winter, I tried a new method (for me) to secure a fuel tank in an aircraft. By use of double sided Velcro that straps the tank to the tank floor.

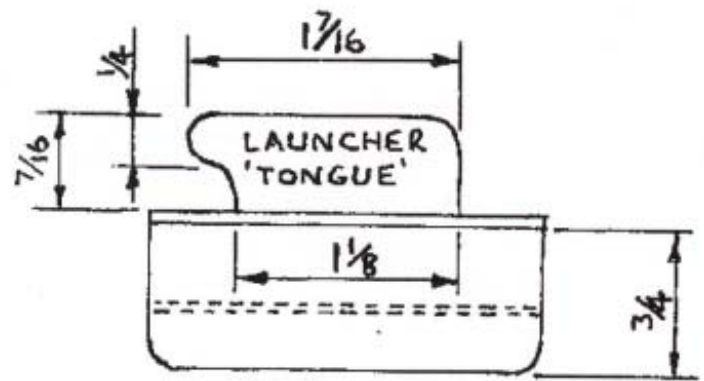
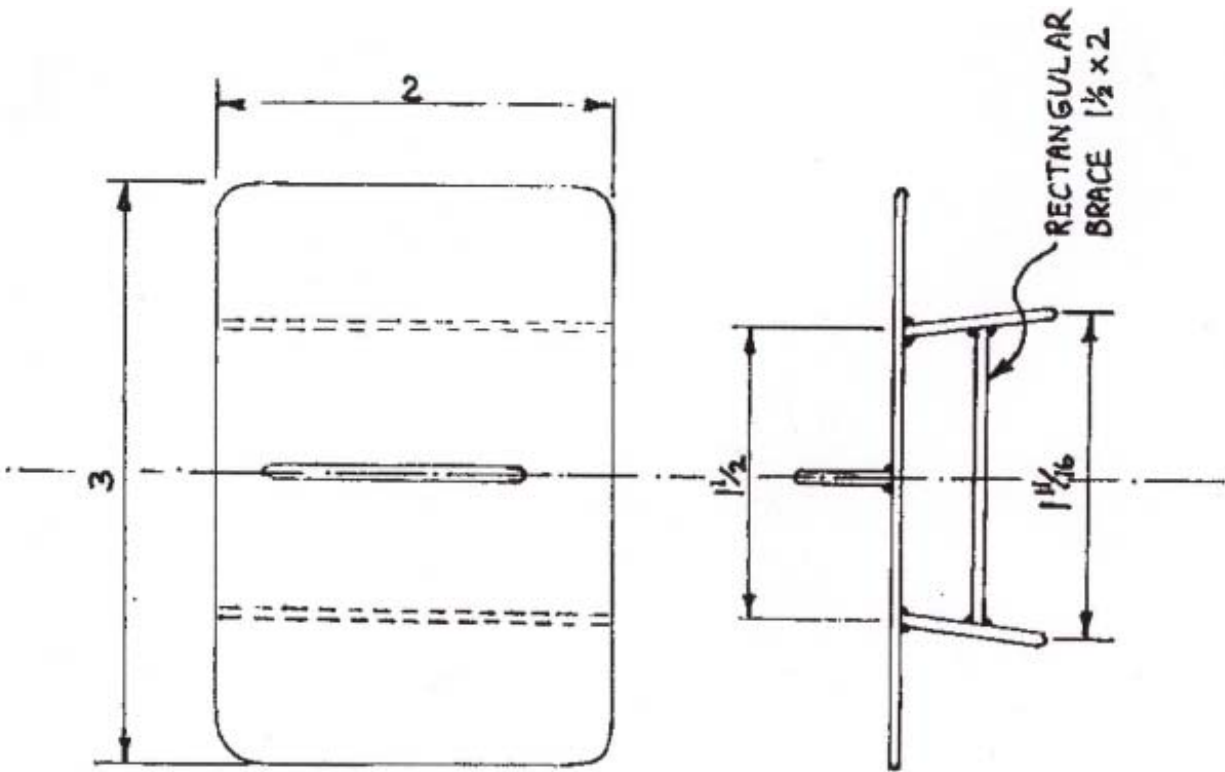
Advantages:

- Easy!
- Very secure without being ridged (we have to take measures not to foam our fuel, don't we!)
- The tank is easily removed and re-installed
- No shimming required to stop the tank from shifting around from vibration & inverted flight
- A real sweet installation—you'll love it!

Disadvantages:

- If there is no access to the tank from above, you have a problem. However if you adjust the Velcro straps properly without too much tension, you could slide the tank out to the rear and re-install by gently pressing the tank forward underneath the Velcro.

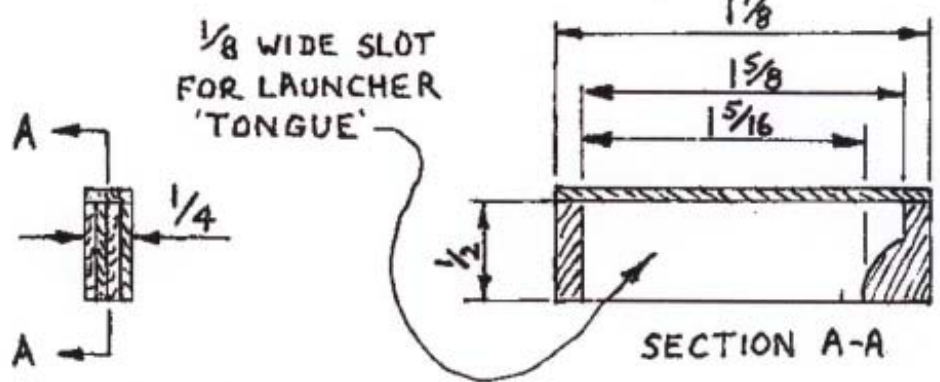




MATERIAL: 1/16 PLY

DROP-OFF LAUNCHING GRIP (SABOT)

RECEPTACLE IN MODEL



R. G. WILLIAMSON

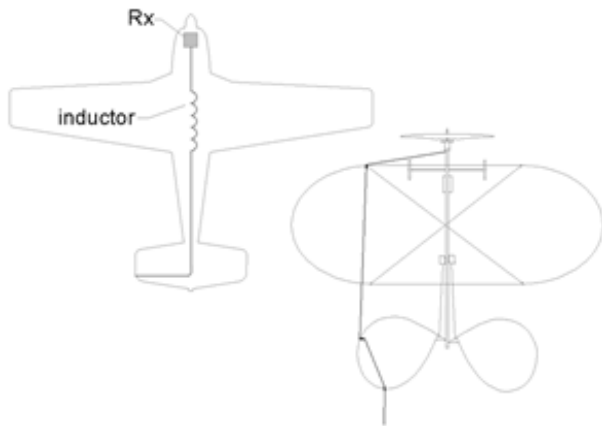
SABOT LAUNCHER

JUNE 03

Antenna Routing

Editorial Comment: A 1 metre long antenna for an indoor plane is not always feasible due to the small size and weight of this class of planes. Indoor planes and small park flyers are operated very close to the transmitter, so range is less important than a sport plane. Also, the consequences of a radio problem with an indoor plane is less severe than an out of control pattern ship!

This article is from:
<http://www.homefly.com/reference/antenna.htm>



The longer the antenna (up to 987mm for 72MHz), the better it will work. Put as many bends in the antenna as you like as long as no bend exceeds 90 degrees and the antenna does not double back on itself.

If the antenna must be shorter than 987mm: On the horizontal axis at the bottom of the graph, find the position of the loading coil*. Go up vertically until you intersect the curve that matches the length of your antenna. Then move horizontally to the left and read off the load inductance on the vertical axis. Use the formula $(483L/r)^{1/2}$ to compute the number of turns required for the loading coil.

*The position of the loading coil is the *distance from the feedpoint* divided by *antenna length*, in percent. The further the loading coil is from the feedpoint, the more range you will obtain. However, inductance increases rapidly as the coil approaches the end of the antenna. 40% to 60% is usually a good compromise.

Notes: The feedpoint is the end of the antenna that is attached to the receiver. A loading coil is an inductor that is inserted into a shortened antenna to compensate for the missing length. The inductor is a coil of wire. Make the diameter of the coil equal to twice its length. Where weight is critical, 40 gauge plastic-coated copper wire works nicely. The graph applies to the 72MHz band.

