



The Antenna

January 2015



Next Club Meeting: Wednesday, Feb 4 2015 7:30PM at the CARFF Clubhouse

In this Issue:

Arctic Aviation Adventure

Messerschmitt Bf110 Build

Jan 1 Meeting Minutes

NEXT CARFF FLYING EVENT: Sun Jan 4th, Indoor Flying, Penhold Multiplex, 13:00 - 16:00, \$10/pilot

2015 Executive, Standing Committees and Contacts

CARFF EXECUTIVE

President Jon From, 403-886-5515, jon@cloud9aviation.ca

Vice Pres. Harvey Fodor, 403-347-9256, hfodor@transwest.com

Secretary Chris Warner, 403-589-0298, warner.c@hotmail.com

Treasurer Gale McCoy, 403-347-1363, rgmccoy@shaw.ca

Director Brian Davies, 403-318-4577, ve6ckc@gmail.com

Director Tony Lindhout, 403-347-8463, tslindhout@shaw.ca

Director Will Gross, 403-346-6119, ti2wgo@hotmail.com

CLUBHOUSE MANAGEMENT

TBA

FIELD AND MAINTENANCE COORDINATOR

Rob McCoy (403) 347-1363

INSTRUCTOR COORDINATORS

Will Gross 403-346-6119,
 Rob McCoy 403-347-1363, cell: 403-396-5747
 Travis Sayler 403-986-7581

AUCTION

Rob & Gale McCoy

NEWSLETTER EDITOR

Eraldo Pomare, 403-343-2072, pomare@telusplanet.net
 snail-mail: 1 MacKenzie Crescent, Red Deer, AB, T4N 0H6

WEBMASTER

Vince Mulhall, 403-755-1953, cell: 403-872-1911, vmulhall@shaw.ca

COUNTY OF RED DEER BYLAW ENFORCEMENT

403-343-6301 (Call will be forwarded to member on duty). Primary contact: Stephen Poburan
 If no answer call Bob Dixon 403-505-9030.

Fire Burning Permit: Not Required.

Field GPS Coordinates: N52° 12' 6", W113° 42' 18" (N52° 12.106', W113° 42.304')

CARFF on Facebook <https://www.facebook.com/groups/1418503868392501/>

NEXT CARFF FLYING EVENT: Sun Jan 4th, Indoor Flying, Penhold Multiplex, 13:00 - 16:00, \$10/pilot

ARCTIC AVIATION ADVENTURE

What a fantastic day we had on January 1, 2015! Thanks to Gale & Rob McCoy for organizing this year's super-successful Arctic Aviation Fun Fly.

Everyone was having so much fun at the Arctic fun fly that we forgot to count pilots; but judging by the car park (see cover), we had the best ever turn-out. The weather was just above 0°C,



10-15 km/h wind and occasional light rain but not enough to be a nuisance. Almost perfect snow conditions - enough for skis and floats, but not too much for wheels. Perfect.

Rob slaved over a hot stove roasting hot dogs (aka tube steaks) while the rest of us were out flying & sharing stories. Gale on the other hand was probably the busiest person of the day; I don't think she moved from her spot for at least 2 hours filling out membership cards & receipts.

INDOOR FLYING

...continues to be well supported by CARFF members: lots of fun, some carnage but these modern foam indoor models are so easy to repair! Here are some pix from last week's event:



NEXT CARFF FLYING EVENT: Sun Jan 4th, Indoor Flying, Penhold Multiplex, 13:00 - 16:00, \$10/pilot

MESSERSCHMITT Bf 110 BUILD

Eraldo Pomare

The subject is a semi-scale, discontinued model from Flair Models of the UK; originally designed for two 600 class brushed motors. Flair models has been in and out of receivership so often, that I don't know whether they are currently in business or not. If you see a Flair kit you like - buy it; you won't be sorry. Anyway, let's get on with building the Messerschmitt Bf 110 twin engine heavy fighter/light bomber.



The model has a fully sheeted wing - so we start by edge-joining sheets of 1/16" balsa. to do this, we check the edge fit-up and lightly sand them as necessary. Then three short pieces of clear Scotch tape across the join-line, followed by a long piece down the seam. Turn the sheets over, add glue and lay flat to set.



After cutting the four wing sheets to the correct shape, I added the ribs, spars, and pre-installed the servo wire and a pull string for the motor power supply wires; then it's a

NEXT CARFF FLYING EVENT: Sun Jan 4th, Indoor Flying, Penhold Multiplex, 13:00 - 16:00, \$10/pilot

matter of propping up the wing as shown on the plan and adding the top-sheet. Bags of lentils, cornmeal & rice make excellent weights for holding down the sheeting. This final sheet locks the wing panel shape in position so it's important to make sure everything is aligned and well supported. Warps/twists built-in at this stage will never come out after this step (at least not without major surgery).



Every builder has their own techniques and favourite tools. Here are a few of mine:

- 1) A hollow core door makes an excellent building board.
- 2) You (almost) can't have enough sanding bars. Great Planes "Sanding Bars" are excellent and have replaced my old sandpaper glued to a piece of wood that I used for years.
- 3) Masking tape is worth it's weight in gold: protect the parts you don't want sanded/damaged during sanding with pieces of masking tape.
- 4) A razor plane is another really useful tool for rough shaping block balsa.
- 5) Leading Edges are easily sanded to shape using a sanding and a sliding/rocking motion around the LE.
- 6) Sound, sight, touch are useful senses to know where and what you're sanding and when you should stop.
- 7) A 3 or 4 foot aluminum straight edge/ruler is almost essential.
- 8) A balsa knife with #11 blade (& lots of spare blades), a Zona razor saw and mini set-square round out my tools of choice.
- 9) I use a variety of glues: yellow carpenter's glue for most joints but not lamination because of the water content. Thin CA when instant bonding is needed, thick for laminating small items, epoxy for laminating or where



some gap filing is needed and/or shrinkage can't be tolerated (i.e. where things might be pulled out of alignment).

- 10) I think about the "open time" required for each joint and choose the glue or epoxy cure-time accordingly.
- 11) Dress maker's pins, masking tape, wax paper, packets of rice are all useful modelling tools!

In a future month, I'll share the nacelle construction & installation of the modern outrunner motors with their individual ESCs. Since the ESCs, aileron servos are all in

the wing, I plan to install the Rx in the wing centre section where the original design had placed the single aileron servo.

EDITOR'S SOAPBOX

Eraldo Pomare

While we all love the convenience, quality, reliability and unbelievably low cost of today's "buy-n-fly" models, for me there's a key element missing when I fly RTFs and ARFs and that's the satisfaction of seeing my own "work" fly. Building is equally satisfying as flying; just different skill sets. There are many great kits out there - Sig, Great Planes, Top Flite, Balsa USA and many more companies still turn out excellent U-build kits; hopefully they will continue to do so for many years to come. If you haven't built a model recently (or ever), think about the aspect of the hobby you're missing out. Now, to be completely up front: these days building does cost more in \$\$ as well as in time than the "buy-n-fly" option. For your editor, it's worth it.

Aeromodelling has been a passion & kept my interest since I was a six year-old; I love the camaraderie at the field and love flying what I build. From chuck gliders, control line, free flight and RC models, there's always another build waiting....and I'm always looking for a new kit or plan. My aim is to build a model each year, until....

A couple of FYIs that I receive via email. The first from Brad Cleland on drones and the FAA:

<http://www.economist.com/news/21631834-drones-may-take-skieseventually-bumpy-take>

and the second from Greg McMaster: MAAC is on FaceBook:

<https://www.facebook.com/pages/Model-Aeronautics-Association-of-Canada/1502378183363886>

See you at the next club event!

Bylaws - Your VOTE Required

Don't forget to vote on your club's revised bylaws via email, or by your presence at the Feb 4th meeting. 75% of the paid-up members need to approve the motion for it to come into effect. See the minutes below.

If you choose to vote via email, paste in the following to the email subject line, add your name, delete "yes" or "no" as appropriate:

I () support the CARFF bylaws as published in the club November 2015 newsletter YES NO ! Type in your name in blank space above.

If you agree strike out (delete) **NO**

If you do not agree strike out (delete) **YES**

and send it to Gale McCoy at rgmccoy@shaw.ca using the wording suggested in the minutes. If you don't have a copy of the November 2014 newsletter to review the revised bylaws, here's a link:

http://www.carff.ca/pdf/newsletter/Nov_2014_Newsletter.pdf

NEXT CARFF FLYING EVENT: Sun Jan 4th, Indoor Flying, Penhold Multiplex, 13:00 - 16:00, \$10/pilot

CARFF GENERAL MEETING

DATE: Jan 1, 2015

In attendance: Gale McCoy, Rob McCoy, Ray Musikov, Lorn Brooker, Eraldo Pomare, Harvey Fodor, Greg McMaster, Vince Mulhall, Gary Allison, Ethan Brown, Tony Mensink, Jon From. Wayne Hutmacher, Ken Heck, Gary Mah, Barry Kirby, Dave Evans, George Rehman, Brian Davies, Ron Ditchburn, George MacIntosh,

Call to Order : 1:12PM

Agenda:

Additions: Auctioneers, Locks

Moved: Eraldo Pomare Seconded: Lorn Brooker Carried

Minutes: Moved as circulated : Wayne Hutmacher Seconded: Dave Evans Carried

Financial Report: Bank account: \$6,290.03 GIC:\$5,436.45Total: \$11,726.48

Move acceptance of financial report: Gale McCoy Seconded: George Rehman Carried

Old Business:

1. Reminder that Mall show will go ahead, Mar., 7th, set up 7-9AM tear down 5:00PM
2. Vote on new bylaws at Feb. 4th meeting. It is imperative that all members vote. See one line that you can cut and paste at the end of these minutes, to vote electronically. Email votes to Treas., Gale McCoy at rgmccoy@shaw.ca

New Business:

1. Vince Mulhall has a new Auctioneer that has volunteered time for auction, to get together with Rob McCoy
2. Locks after some discussion, Rob McCoy moved, seconded by Brian Davies that Ron Ditchburn spend up to \$400.00

Open Discussions:

1. Pres. Jon advised that he will obtain a catalogue to bring to the Feb. 4th meeting for the purchase of shirts by all members to wear at our club events and also for Jackets etc., that members may want.
2. Rob suggested that someone bring a wing or fuselage to one of the future meetings to show how to strip off old coverings and apply new covering.

Adjournment: Lorn Brook moved adjournment 1:37PM

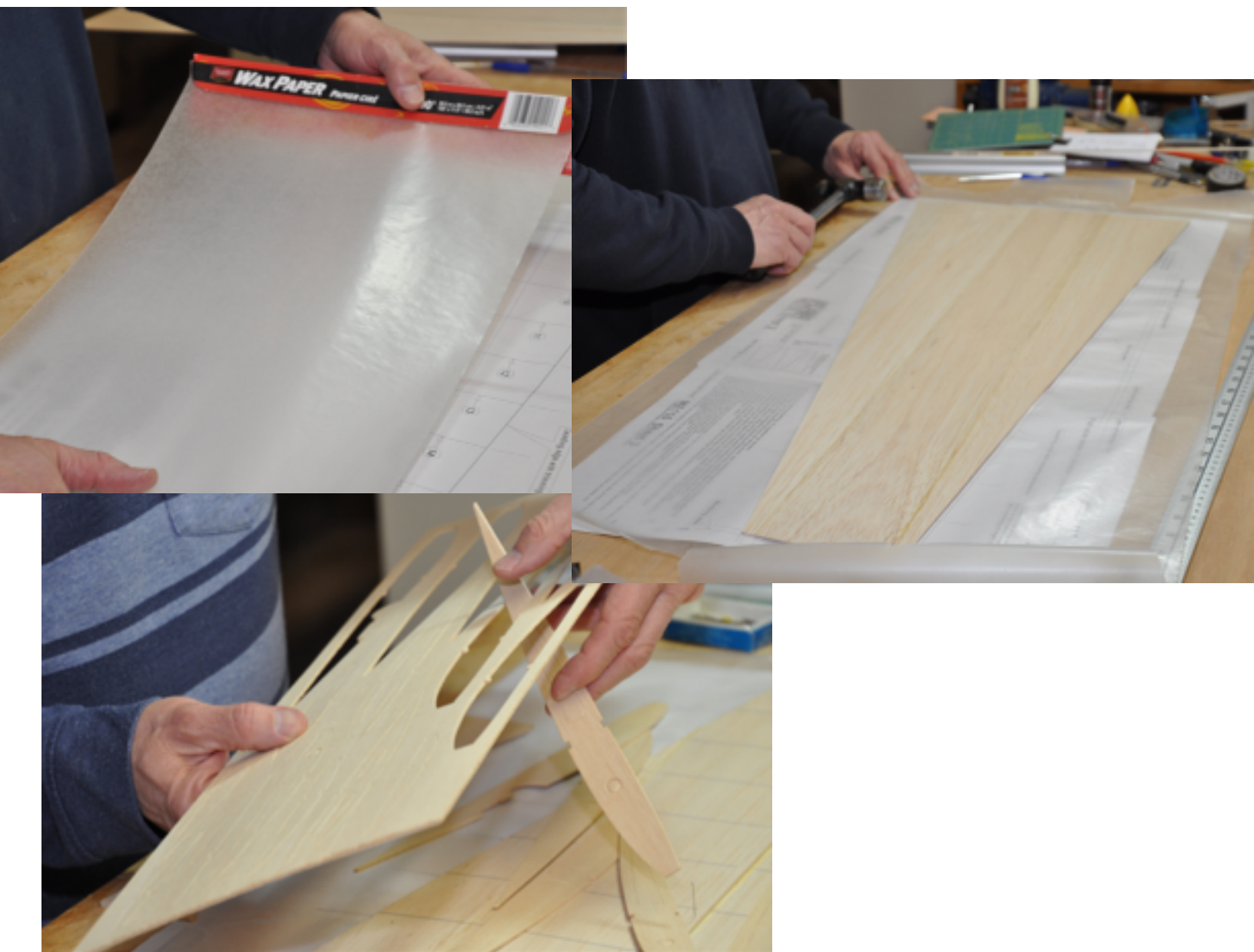
I ()support the CARFF bylaws as published in the club November 2015 newsletter YES NO ! Type in your name in blank space above.

If you agree strike out (delete) NO

If you do not agree strike out (delete) YES

2014/2015 Calendar of CARFF Events

Jan 4, 2015 (Sun)	Indoor Flying, 1:00 PM - 4:00 PM, Penhold Multiplex; \$10
Jan 18, 2015 (Sun)	Indoor Flying, 1:00 PM - 4:00 PM, Penhold Multiplex; \$10
Feb 4, 2015 (Wed)	Club Meeting, CARFF Clubhouse, BY-LAW VOTE
Feb 15, 2015 (Sun)	Indoor Flying, 1:00 PM - 4:00 PM, Penhold Multiplex; \$10
Mar 1, 2015 (Sun)	Indoor Flying, 1:00 PM - 4:00 PM, Penhold Multiplex; \$10
Mar 4, 2015 (Wed)	Club Meeting, CARFF Clubhouse **New for 2015**
Mar 7, 2015 (Sat)	Mall Show, Bower Mall. Organizer: Jon From
Mar 15, 2015 (Sun)	Indoor Flying, 1:00 PM - 4:00 PM, Penhold Multiplex; \$10
Mar 29, 2015 (Sun)	Indoor Flying, 1:00 PM - 4:00 PM, Penhold Multiplex; \$10
Jul 19, 2015 (Sun)	AIRSHOW 2015. Organizer: Jon From



NEXT CARFF FLYING EVENT: Sun Jan 4th, Indoor Flying, Penhold Multiplex, 13:00 - 16:00, \$10/pilot