

The Eagles Nest!

News from Scotia Eagles EAA Chapter 1051

"A welcoming community for all aviation enthusiasts to meet and share their passion for aviation with like-minded people."

2022 Executive:

- **President:** Todd Simms (Valley)
president@eaa1051.org
- **Vice President:** Jim Walker (Valley)
eea.baldeagle@gmail.com
- **Secretary:** Larry Bogan (Valley)
secretary@eaa1051.org
- **Treasurer:** Eric Sawler (Valley)
treasurer@eaa1051.org
- **Director:** Christoph Both (Valley)
christoph.both@acadiiau.ca

March Member Meeting Report

26 March 2022 10:30 at the Greenwood Military Aviation Museum Library

Presentation – SAR and You:

Cpl Benjamin Walker from 413 Sqn presented a mix of how SAR helicopter crews train, how you can help them find you and showed some examples of rescues that 413 Sqn had conducted.

It was a very interesting talk and he had videos showing what a hoist from the Cormorant down to a moving ship looked like and the return trip back up from the perspective of the open main cabin door of the helo. We also were shown what it is like to have a SAR tech hoisted down near you in the water and saw from the survivor point of view what it looks like to be rescued and hoisted up into a Cormorant. One very big take-away for me was how big that main cabin door looks when you are standing next to it!

Another very interesting video was of a Cirrus pilot who lost power in Quebec and parachuted into dense woods. He was relatively unharmed and was able to provide PLB signals that brought 413 Sqn to his location but they were unable to locate him in the

forest. He resorted to starting a smokey fire that quickly brought the crew to his location where they picked him up.

Another very effective series of photos showed what a survivor in the water looks like and what a survivor in the water with a 50' orange streamer looked like. It looked like a rescue! Without the streamer, you couldn't see the survivor.

A fascinating presentation with an informative mix of advice and recommendations for the G.A. Pilot and eye-opening videos of the SAR crew in action.

Thank you Ben for a very educational and intriguing presentation!

April Member Meeting – 30 April 10:30 at the Greenwood Military Aviation Museum Library)

Scheduled speaker: Dimitri Neonakis will be discussing his cross country flight to Vancouver and back last summer in his Cirrus. Great photos and an exciting time, looking forward to hearing his tale. Dimitri is the pilot who did the 'sky art'.

The presentation will also be broadcast on zoom for anyone who can't make it to Greenwood, an invitation with a link will be coming out a few days prior to the meeting so if you'd like to watch, check your email! (or request the link by emailing secretary@eaa1051.org)

2022 Membership Renewals

As of March 21st are finally able to resume holding in-person events again! All the more reason to renew your membership and catch up with old and new friends at our monthly meetings. Membership is still only \$30.00 which can be paid by e-transfer or by mailing a cheque, if preferred.

E-transfers can be paid using the following information:

Name – "Scotia Eagles EAA"

email address – treasurer@eaa1051.org

Please include your name and your email address in the comments or memo so we can properly record your dues and keep you on our membership email list.

We're happy to take cheques if it's more convenient for you, they can be mailed to:

Scotia Eagles
C/O Todd Simms
1636 Highway 201
South Greenwood, NS
B0P 1R0

To Give Away to a Good Hangar!

Paul Blinn here.

Would any of the chapter members be interested in a Pioneer IID glider fuselage with almost all of the metal work done? Canopy is broken but can be bought again or locally made. I also have the plans somewhere- still looking in boxes for it.

I'm not going to finish her so I've decided to pass it along to someone who will.

I'll donate it Free!

If interested contact me at:

pjblinn@eastlink.ca

New News

1. Newsletter – We welcome your suggestions for content or submissions, especially if you are building a plane and are interested in sharing your trials, tribulations and progress. Trip reports are always welcome not to mention inspiring!
2. Planing is well underway for our **Young Eagles event on 11 June** (weather backup of June 18). We have some volunteers from the exec and Jack Neima and his wife to take on the organization of the event and so far two pilots have volunteered to fly the budding aviation enthusiasts. We are identifying the

extra help we'll need like ground crew, reception, and aviation quick talks. Have a plane and looking for something worthwhile to do in June? Let us know if you can volunteer to fly or help in other ways to help inspire the next generation of flyers and aviation enthusiasts! **Signups are available with login onto the Young Eagles site.** <https://youngeaglesday.org>

3. **Chapter Service Awards** were presented to Jim Walker and Larry Bogan for their executive roles in 2021.



Jim Walker presented with his Service Award by Todd Simms

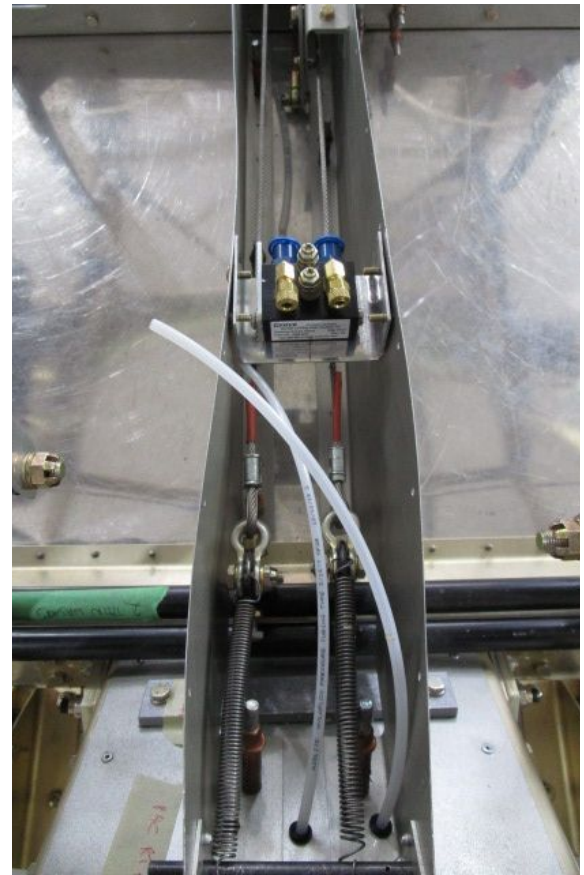


Larry Bogan presented with his Service Award from Todd Simms

4. Fly-ins Scheduled for May – September!

We have set up a fly-in for each month in partnership with AVFA. We'll be looking for presenters for each event to discuss an item of interest at each fly-in. Have a topic you'd like to present? Let us know if you'd like to offer a topic and we'll find a time for you this summer. Of course, you're welcome just to fly in or come and attend to meet up with friends and sit in on the presentation. Hope to see you this summer!

<u>Date</u> <u>(Saturdays)</u>	<u>Location</u>	<u>Hosts</u>
May 14 th	Freedom Aviation – 14 Wing Greenwood	AVFA/ Scotia Eagles
June 25 th	Freedom Aviation – 14 Wing Greenwood	AVFA/ Scotia Eagles
July 23 rd	Digby	AVFA/ Scotia Eagles
August 20 th	Kings-Hillaton	Scotia Eagles/ AFVA
September 10 th	Freedom Aviation – 14 Wing Greenwood	Scotia Eagles/ AVFA



Looking aft from the nose gearbox to parking brake valve.

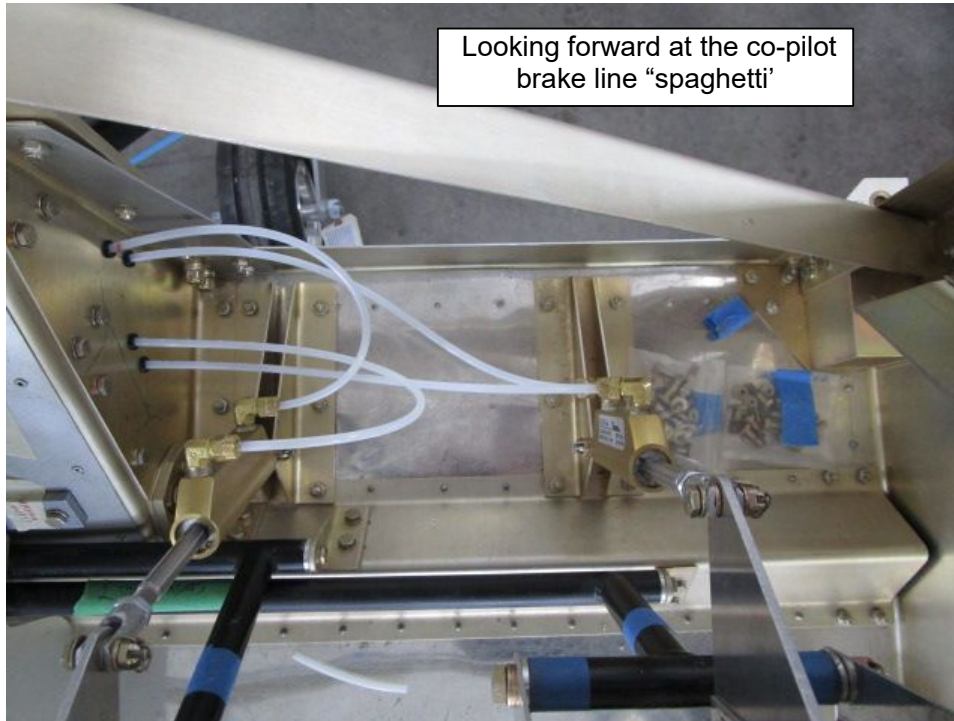
Builder Updates

1. Todd is still building his Bede BD-4C four seater aircraft, as his wife reminds him weekly Good news – the parking brake valve finally arrived! Lines were run and holes drilled to accommodate the brake lines. I built a bracket to hold the valve just under the forward control tunnel. That would allow the valve shutoff arm to protrude through the top and be easily attached to a brake valve rod and handle. I built the bracket out of 0.025” aluminum and quickly realized that won't work when the flanges bent when I accidentally pressed on one side. Back to the sheet metal brake and some 0.063” aluminum that solved that problem. I attached the brake lines to the tunnel with clamps ensuring that they didn't interfere with the rudder cable runs. I connected the 90 deg fittings to the top inlets and connected the lines and then realized ... that I had neglected to order the couplers for the outlets! Should be here by the end of

April, I hope, which will enable me to finish connecting the brakes and add fluid and bleed them. The lines run from the pilot brake actuators/reservoirs to the co-pilot cylinders and then out to the parking brake and brakes. It took some fiddling to get the lines through the nose gearbox and into the co-pilot cylinders and then back into the gearbox and out to the brake valve. It turns out that the tubing can be bent to about a 1” radius so that gave me the flexibility to position them to avoid rubbing on each other.

2. Leading edge extensions are needed for the horizontal stabilizer to house the lead weights used to balance the control. This involved bending triangular shaped sheets of 0.025” aluminum around a 1” radius and then attaching them to the inside leading edges along with a rib to hold the weight and firm up the skin. The plans have full size templates for the ribs and skins that were very handy! They turned out pretty well, once I figured out how to bend such a large angle, almost 170 degrees.

I basically hammered them into a workmate held open at the 1.00" radius to get the bend. The ribs needed flanges and had a small bend in them to follow the horizontal stabilizer cut out line.

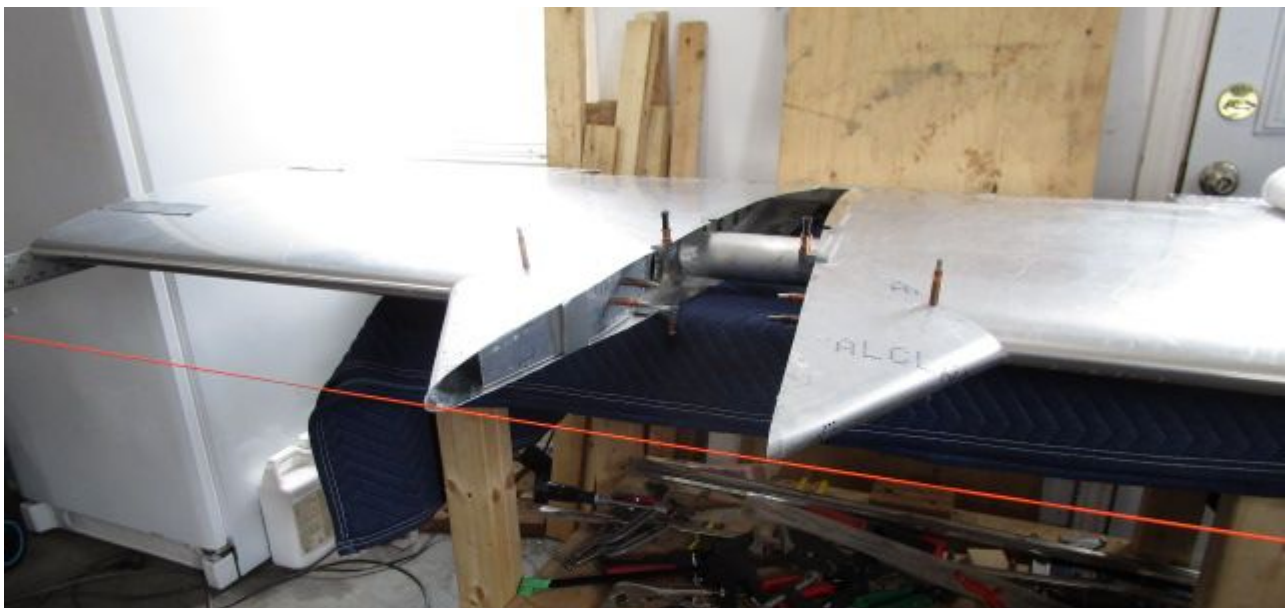


I was worried about having the tips lined up with the leading edge so I put yardsticks along the center of the rear spar and leading edge and ran a line between them just in front of the leading edge extension tips. With them clamped in place, I drilled and cleco'd the skins in four places and after double checking, drilled the rest of the rivet holes. Then I took them apart and stored them waiting for the counter weights to arrive. Bede is having

trouble sourcing the lead but I expect to have them in the next month or so.

3. There is a tie down under the tail and it gets enclosed by ventral fins. They too had full size templates so I cut them out and used them to cut out the skins. I bent them the same way as the leading edge extensions only this time I used a 0.5" nickel steel rod I purchased at the aviation isle in Home Hardware as the radius. The aft fin slips inside the fwd fin, so I made sure to get the dimensions right on that one. Bent flanges on both fins and with the tailcone in place,

marked the location of the fins. I took the bottom off the tailcone and drilled and cleco'd the aft fin in place and then re-installed it. I taped the fwd fin in place and drilled three holes on the fwd fin where it overlaps the aft fin, which is for three screws on each side that hold the fins together. Took the aft fin off and installed nutplates, screwed them together and then reinstalled. After centering the fwd fin, I drilled and cleco'd it in place. I had to take the



0.5" diameter/0.035" walled 4130 tie down tube to Nova Millwrights to get it bent to 115 degrees. Once I got it back, I cut it to length and made two plates for each end and had them welded. They were then bolted to the aft vertical frame and to the aft horizontal rib on the floor. Last step was to get the PRC out and coat the flanges, install and rivet. A lot of work for simple aerodynamics but it looks pretty good once you strip the plastic off.

Are you building, overhauling or upgrading your aircraft? Send us a quick update on what you're up to and we'll share it with the members in our next newsletter!

