Recreational Aircraft Association of Canada, Chapter 85
Monthly Membership Meeting 7:30 pm
Tuesday, January 5th, 2021

Monthly Membership Meeting:

Join Zoom Meeting
https://us02web.zoom.us/j/6845419367
Meeting ID: 684 541 9367

- Convened: 19:30
- New members and visitors: welcome and introductions
  - None present

PROGRAM

Bob Cutting spoke with us about the MD/RA Program for inspection of amateur built aircraft

- Explained MD/RA delegated authority to inspect homebuilt aircraft to Transport Canada regulations and guidance
- Help a/c builders navigate the paperwork and construction specifications
  - Fasteners must be AN, materials, wiring, etcetera must be aviation grade
- Recent amateur built a/c requirements changes
  - Can now glue Ceconite to bare wood using appropriate adhesive
  - Can no longer rebuild a wrecked certified a/c and then register it as an amateur built
  - Can no longer combine parts from certified a/c and then register it as an amateur built
  - Must be able to document that 51 percent of build work was completed by the builder
  - Encoder must be calibrated to the transponder/EFIS by a qualified technician or the builder must prove qualification/ability to do so along with the approved calibration equipment
  - Firewall must be steel, stainless steel, or, now recently, wood with a specified flame resistant paint
- Costs of building an aircraft have gone up over the decades
- Fewer young people are interested in building planes
- Few scratch built a/c being started, most starts are kits, most popular kits are Vans RV series, Glasair, and then Bearhawk/Bushmaster
- Electric motors as primary propulsion are becoming popular
- MD/RA has no affiliation or involvement with RAAC or any other builder's organization
- There are only four MD/RA's in BC
- Most builders do not belong to an RAA chapter
- Many homebuilt a/c are being imported from the US by pilots who are not RAA members
- FAA and Transport Canada regulations are similar but with some differences
  - FAA has DAR's – Designated Airworthiness Representatives

- FAA requires only the final inspection, no pre-cover inspection required
- Most builders in the US are members of the EAA
- US allows paid experimental a/c builder advisors

Program: Sebastien Seykora and Harald Schiedel discussed improvement plans for C-FZXC including paint and doors. They were looking for input from as many people as possible

- Harald was introduced by Sebastien
- Presented a document outlining the plans for the Cruzer during 2021 appended below
- Decisions of those present:
  - Pilot door to stay as is until next year due to costs
  - Motion: To put money aside to get the Cruzer painted or vinyl wrapped
    - Moved: Sebastien Seykora
    - Seconded: Harald Scheidel
    - Removed by Sebastien after discussion
  - Motion: To look into both painting and vinyl wrapping the Cruzer, investigate costs of both and then select the one most appropriate
    - Moved: John Macready
    - Nothing further after discussion
  - Harald will investigate vinyl wrap and find someone to do it

Business Meeting

Started 20:22

Minutes of last meeting on November 3, 2020

- **Motion: To approve the minutes as presented**
  - **Moved: John Macready**
  - **Seconded: Sebastien Seykora**
  - **Carried**

Introduction of the 2021 Executive, Directors & Ex-Officio Positions:

Executive:

President:	Alex MacKay
Past President	Peter Whittaker
Vice President:	Peter Sleeman
Secretary:	Tim Novak
Treasurer:	Sebastien Seykora
Program Director:	Peter Murphy/Kesar Nizzar
Custodian:	Clif Dawson
Director:	Shawn Connelly
Director:	John de Visser
Director:	Cyril Henderson
Director:	John Macready

Director:	Eric Munzer
Director:	Tim Saxton

Ex-Officio (Appointed) Positions 2021:

Aircraft Chief Pilot	Sebastien Seykora
Aircraft Manager	Harald Schiedel
Buildings	John de Visser
Membership Chair	Ran Sariel
Newsletter Editor	George Gregory
Webmaster	Poul Rasmussen

2021 Membership Dues

Chapter 85 Regular Annual Membership (with RAA National Membership) $45 ($40 before Jan 7th 2020)

Student Chapter 85 Membership	$15 (insurance at RAA events)
RAA National Insurance Fee for non-national members	$15 (insurance at RAA events)
Total for **Chapter 85 Regular** + RAA National Insurance Fee	$60 ($55 before Jan 5th 2021)

Chapter 85 Annual Membership with Cruzer Pilot in Command privileges) (with RAA National Membership) $145 ($140 before Jan 7th 2021)

RAA National Insurance Fee for non-national members	$15 (insurance at RAA events)
Total for **Chapter 85 Cruzer PIC** + RAA National Insurance Fee	$160 ($155 before Jan 5th 2021)

Membership fees can be sent by e-transfer to our Membership Chair, Ran Sariel(ran.sariel@gmail.com)

Committee Reports:

- Treasurer: Alex MacKay (2020 Financial Report)
  - 2020 Year End Financial Report presented
  - Alex has had discussions with Keven Maher, the issue of the estate owing hangar rent looks good and will be resolved soon
  - John Macready – to whom should hangar rent payments now be sent?
    - Should be sent to Alex now or to Sebastien later
- Vice President: Peter Sleeman
  - Not present
  - There will likely be no annual banquet this year
- Secretary: Tim Novak
  - Nothing to report
- Membership: Ran Sariel
  - 28 members have re-upped so far for 2021

- 7 members with flying status
- 9 members are also members of RAA National

- Aircraft Chief Pilot: Sebastien Seykora
  - Nothing further
- Aircraft Manager: Harald Schiedel
  - Nothing further
- Hangar and Workshop: John de Visser
  - Everything is great
- Custodian: Clif Dawson
  - Not present
  - No report
- DAPCOM News: John Macready
  - Presented a written report appended below
- Newsletter: George Gregory
  - Not present
  - A Turn & Bank newsletter and national magazine are both coming soon
- Programs: Peter Murphy/ Kesar Nizzar
  - Peter not present
  - Kesar not present
  - Feb 2021 meeting will feature Peter Whittaker presenting scratch building his Zenith 601
  - Gary Wolf is expected to present RAA National during a future meeting

Announcements:

2021 Annual Awards Banquet: March or April, venue and speaker to be announced later
2021 Annual Fly-Inn: tentatively the last Saturday of June
RAA Chapter 85 Pancake Breakfasts: Second Sunday of January, April, October
RAA Chapter 85, Sunday, January 10th: – <u>Cancelled</u>

Motion to Adjourn 21:58 - By: John Macready, Seconded: Ran Sariel

Cruzer C-FZXC Report

Flight statistics

Total airtime: 195.8 hours
Total hours flown in 2020: 121.5 hours
Main issues in 2020:
High cylinder head and oil temperatures during summertime. Engine cooling is not optimal.
Air in break lines
Right main wheel had lateral play
Stuck exhaust valve of cylinder #2 due to lead deposits
Engine fuel starvation due to clogged ventilation valve in fuel cap.
Thanks to all members for their time and effort to solve these issues and for the necessary maintenance.

Projects for 2021

Oil change due on January 9th, 2021
ELT inspection due on March 29th, 2021
Compass calibration due on February 16th, 2021
Horizontal stabilizer tail attachment brackets inspection (Zenith Safety Alert January 2017)
Piano hinge inspection (Zenith Service Letter November 2020)
Control Surface Clearance (Zenith Service Letter July 2020)
Annual inspection due on March 1st, 2021
Conducted in 2020 by members under the supervision of Sebastien.
This year it is planned to make the necessary improvements and repairs, prepare the aircraft for the annual inspection and have the inspection carried out by an AME.

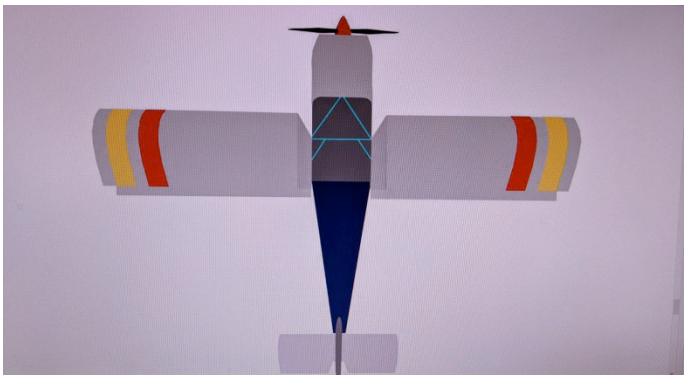
Improvements and repairs

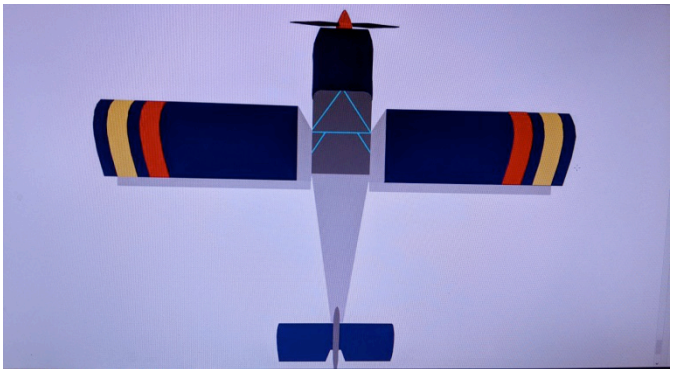
Engine cooling is still an issue
We need to revise the engine baffling.
Aircraft belly is full of oil coming from the breather tube.
Relocation of engine breather tube or installation of oil separator, (Airwolf US$ 600)
Pilot door replacement US$ 885 (new style, will look different from passenger door, different handle location)
Repair cracks on lower cowling
Corrosion on metal parts (flaperons counterweight, nose gear leg, wing root attachment)
Moving static ports to correct location according to plans
Adding of an inspection hatch
Greg prepared parts already
Fuel tank venting
Adding of carburetor and OAT gauges

Painting the aircraft

Prepare for painting (one weekend):
disassemble flaperons, wings, doors, elevator, horizontal stabilizer, rudder
wash the aircraft with water and detergent, scrub all metal surfaces with Scotch-Brite pads
metal surface conditioning: scuffing and cleaning only, no Alodine process or phosphoric acid etching necessary with SPI epoxy primer
cover and mask all not painted surfaces like windshield, windows, tires, …
spray all surfaces with epoxy primer
Cure primer for one week (at least several days)
Paint with base coat and clear coat (one weekend)
Cure for one week
Assemble aircraft, do final inspection, apply final decals, two-week time frame
Total estimated time 4-6 weeks
Cost for paint $3,000 to $4,000

Cost for painter (labour) $500 to $1,000???
Alternative is vinyl wrap.
Advantage: cheaper, primer not necessary, greater design variations
Disadvantages: Who has experience with vinyl wrap?
Sample designs:





Dapcom Report for RAA Meeting

Jan 5, 2021

- The Biannual Management Meeting was held on November 19, 2020,

- The Sliding Gate was completed and installed at the entrance to the RAA Workshop pad.

- The Red Gate has been repositioned at the east end of East West taxiway.

- The Ray Colley project has been put on hold due to lack of funding.

- Dapcom will investigate installation of additional drainage on field

- MVRP set new hours for closure of the AP. Opening at 7:00 AM and close at 5:00 PM.

- A wildlife biologist will be joining the Management committee to give us some guidelines in that area.
- Kesar will write a modification of the Noise Reporting report and have it installed on the Website.

- Poul Rasmussen is our new Web Site Manager.

Submitted by J Macready, Chairman, DAPCOM