



# Carb Heat

Hot Air and Flying Rumours

EAA 245 NEWSLETTER Vol 36 No. 06

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## June 2006

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### Next Meeting:

**Chapter 245 hangar at Carp Airport**

**Saturday June 10<sup>th</sup> at 10:00 AM**

**First Flight Plaque presentations & RV-9 project visit**

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### President's Page

The fly-in season has already started, and I was fortunate to receive an invitation to the opening of **Michael Potter's Vintage Wings of Canada** museum. The museum is not open to the general public, but available for organized tours, particularly for veterans, or school kids. Visitors were treated to a flyby of CWH's B-25 and Potter's P-51.

#### May meeting summary:

**Bill Reed** chaired a panel consisting of **Joe Scoles** and **Wolfgang Weichert** who discussed some of their own experience and observations with various perverse and little known handling challenges of various designs.

**Joe Scoles** focused on the propensity of accidents in Piper Cherokees where pilots get behind the power curve, typically in overloaded / short field scenarios and end up unable to climb, sometimes with fatal results. Of course deliberate over loading is asking for trouble, but laminar airfoils such as the Cherokee can mask the problem by flying fine in ground effect, then being unable to climb.

**Wolfgang** recounted his spin testing experiences with his **RV-6**, which showed recovery problems if a spin is allowed to become fully established (2 or more turns). There is a very interesting bulletin available on VAN's website that discusses the problem and a fix available for RV-7 at <http://www.vansaircraft.com/pdf/sb02-6-1.pdf> . As noted by Wolfgang, and confirmed by VAN's bulletin, the RV-6/7 are very spin resistant, and have well behaved stall characteristics; but if you attempt a full set of professional tests as is sometimes recommended by documents such as an early FAA document on homebuilt test flights I recall reading, you may be in for a nasty surprise. Wolfgang also described his test flight experience on a **Starlight** where he encountered **elevator flutter** as he ran the last of a series of recommended flutter tests. As with the RV-6 spin tests, he was equipped with a parachute, and the experience to use it. After stopping the flutter by pulling up, he was faced with the dilemma of what to do next; rather than abandoning the aircraft, he did a number of controllability checks and decided no major damage had occurred; hence he headed back to the airport. On short final the aircraft suddenly pitched down as half of the stabilizer folded up; temporarily jamming the elevator. Wolfgang managed to level the aircraft just before impact and was fortunate to escape with only a couple of cracked vertebrae. The clear lesson here is that it is best to leave the dangerous aspects of flight testing to the pros, and respect the flight envelope recommended by the designer, and backed up by their testing.

**Bill** mentioned that some pilots have reported elevator blanking on the Zenith 200 series aircraft when the flaps are fully deployed and the engine is at idle. A notice has been issued to limit the maximum flap deflection.

#### Upcoming meetings/Events:

<b>June 17/18</b>	<b>Carp Air Show.</b> Featuring <b>Snowbirds</b> and <b>Michael Potter's Vintage Wings of Canada aircraft.</b> Check <a href="http://www.airshowottawa.com/">http://www.airshowottawa.com/</a> Contact airport manager <b>Ray Kucharik</b> at 613- 839-5276 or email <a href="mailto:ray@cyrp.ca">ray@cyrp.ca</a> to obtain passes to be able to access your aircraft Friday through Sunday if based on field.
<b>July 1st</b>	<b>Canada Day display at National Aviation Museum:</b> In addition to handling the inside display table, we need volunteers willing to display their flying aircraft or mobile projects outside. Please contact <b>Barry Hall</b> by telephone at 613-226-8731, or via email at <a href="mailto:barryphall@hotmail.com">barryphall@hotmail.com</a> if you are able to help.
<b>July 15th</b>	<b>Testing Composite structures.</b> <b>Cary Beazley</b> will demonstrate and explain some of the testing methods he used for evaluating different composite materials and structures for his motor glider design.
<b>August 12/13th</b>	<b>EAA 245 Flyin Breakfast.</b> Setup is on Saturday morning August 12th, 9:00 AM to noon. Sunday August 13 <sup>th</sup> is the date for the breakfast. Contact Barry Hall, or Curtis Hillier to volunteer for this

#### Saturday June 10th 10:00 AM: RV-9 project Visit & First Flight Plaque presentations

This is our first summer meeting starting at the chapter clubhouse at CYRP at 10:00 AM, where we will present first flight plaques to six proud members, **Denis Charbonneau, Jeff Whaley, Ken MacLeod / Gary Loubert, Martin Poettcker, and Ron Johnstone / Wilf Dugas.** We will then move on to **Russ Robinson's** place at 103 Midvale Drive, Carp (directions available at the meeting) around 11:00 AM to inspect his RV-9A project. As a bonus, we will hold a small BBQ after the meeting. See you there!

**Gary**

### Interesting News

More pictures submitted by Gary Palmer of the War birds at Gatineau



Photo 1 Spitfire



Photo 4 P51 Mustang fly by



Photo 2 Seafury



Photo 5 Hawker Hurricane



Photo 3 P51 Mustang



Photo 6 B25 Fly-by



**Part of the 2006 RAA AGM included a tour of the Russel Group Aviation Hangar and airfield.**

More information can be found at their website: <http://therussellgroupairshow.com/index.php> Some of the aircraft from the museum are shown below. Like Michael Potter's collection, all the aircraft are flyable. The Hurricane was at Gatineau while we were visiting. The maintenance must be carried out by a qualified AME.

**If you plan to go to the air show, you can fly in on Friday and leave after the show on Sunday.**

**MESSAGE FROM RUSSELL GROUP AVIATION**

Since 1945 the world has changed immeasurably. The contribution made by our allies and Canada in all theatres of World War II, won the peace and made possible the prosperity and progress unimaginable during those dark days of war. We salute the people who gave so much during World War II by extending the memories of our young people back to those days to remember the "few" that served our nation so well.

Today, we welcome you to the 2006 Annual Air Show (June 10<sup>th</sup> and 11<sup>th</sup>) to sample some of the exotic equipment used by those daring men. World War II fighter aircraft and bombers from Canada and the U.S. will be featured and many dog fight scenarios will be attempted.

Come and join us here at Russell Group Aircraft in Niagara Falls, Canada. We will make you welcome and assure you of a one in a million flying extravaganza.

Our thanks goes to all those whose support our endeavour, and especially to all the veterans who will be returning again this year.

**Happy flying and I remain,**

**Sincerely,  
Edward D. Russell  
President, Russell Group Aviation**



**Photo 8 Spitfire Mk9**



**Photo 7 the only airworthy Bf109E in the world**



**Photo 9 Canadian Built Harvard**

Photos by Gord Reed

## *Looking ahead to Airventure 2006*

This year *EAA AirVenture Oshkosh 2006* is on **July 24 - 30, 2006**

The CWH (Canadian Warplane Heritage Museum, Hamilton) Lancaster, C-GVRA, will be at Airventure this year along with a number of other bombers.

The NOTAM is available from the EAA website at <http://www.airventure.org/2006/flying/notam06.pdf>. It is a large file, 4.4 MB, so you may want to order the NOTAM via email or by phone at 1-800-564-6322. EAA HQ will mail a copy to you.

### Aviation humour

From John Lovelace's Wings over Canada website

<http://www.wingsovercanada.ca/humor.html>

When often asked how much it costs to learn how to fly, we have just as often replied..."About a hundred bucks. Learning how to land will cost you \$4,500."

### Mark your Calendars:

Some items have been copied from the COPA Flight and the EAA website.

**June 4<sup>th</sup>, Smiths Falls, ON:** Smiths Falls Flying Club's Annual Fly-in Breakfast at the Russ Beach Smiths Falls/Montague Airport from 7:30-11:30 a.m. Rain or shine (indoor seating). Adults \$5 and children under 12, \$3. Unicom 122.7, no landing fees. Fly, drive or walk-in. For more information contact the Smiths Falls Flying Club at Tel.: 613-283-1148.

**June 10<sup>th</sup> RV-9 project visit at Russ Robinson's.** Note: with the planned air show on the weekend of June 17th we are moving the meeting forward a week. We will start the meeting at the chapter clubhouse at 10:00 A.M. for the first flight awards, and then adjourn to Russ's place. Map information will be in next NL.

**June 11<sup>th</sup>, Kars, ON:** Kars Annual Fly-in at Kars Airpark by the Rideau Valley River, N45 06 W75 38 3s 14 degrees W elevation 286 feet. Event starts at 10 a.m. If coming by car, go to Highway 416 south to Dilworth; travel east on Dilworth until you see the airstrip on your right side. Parking available at the field. For more information contact Harvey Rule at Tel.: 613-739-5562; E-mail: [harvey.rule@bell.ca](mailto:harvey.rule@bell.ca). Please leave a message with name and number or your e-mail address and we'll get back to you.

**June 11, Cobden, ON:** COPA Flight 124/Champlain Flying Club's annual breakfast fly-in at the Bruce McPhail Memorial Airport (CPF4) from 07:00 until 11 a.m. Rain or shine. New this year: express line for pilots and crew. For more information contact Larry Buchanan at Tel.: 613-633-3512; E-mail: [lbuchan@nrtco.net](mailto:lbuchan@nrtco.net).

**June 11, St. Lazare, QC:** Annual fly-in breakfast from 8-11:30 a.m., hosted by the St-Lazare Aeroclub. For more information contact Mike Boisvert at Tel.: 450-452-2018. L'Aeroclub de St-Lazare vous invite à déjeuner entre 8h et 11:30. Pour info: André Dionne 450-632-2842.

**June 12, Brampton, ON:** Monday night Barbeques begin for the 10<sup>th</sup> season. Your choice of beef, turkey or veggie burgers, sausages or hot dogs; all the trimmings. Coffee, and other refreshments available. An established tradition that keeps growing. All are welcome. RAA-TR hangar at the north end of Brampton airport (NC3). For more information contact Earl Trimble at 905-787-8524, email [northerntailwind@aol.com](mailto:northerntailwind@aol.com) or Bill Tee at 416-742-8939 or email [steec551@rogers.com](mailto:steec551@rogers.com)

**June 17-18, Ottawa ON:** Air Show Ottawa featuring the Canadian Forces Snowbirds is being held at the Carp Airport, located west of Ottawa. The gates open at 09:00 each morning, with the air demos starting at 12:00 and the show ending at 16:30. Admission is \$20 for adults; \$15 for children 2 to 12 years of age. Free parking. For more information Email: [airshow@airshowottawa.com](mailto:airshow@airshowottawa.com) Tel.: 613-271-8165.

**June 18, Killarney, ON:** Father's Day, Fly-in, Fish Fry - hosted by the Sportsman's Inn from 10:00am to 3:00pm. All wheel and floatplanes welcome - plenty of dockage for floatplanes and courtesy rides from the airport (CPT2). Spend the day - 7.5km wilderness hiking trail and boat rides available. For more information contact Flight 13, Phil Chandler [phil@philchandler.com](mailto:phil@philchandler.com) or Sportsman's Inn, Killarney, Ted East at 1-800-282-1913 [sportinn@vianet.ca](mailto:sportinn@vianet.ca)

**June 23-26, Oshawa, ON:** 2006 Canadian Aviation Expo! The Canadian Aviation Expo brings the very best in North American aviation together. Hundreds of aircraft on display, thousands of aircraft flying in, exciting seminars and an airshow highlight what is sure to be a great day. For more information visit <http://www.canadianaviationexpo.com/html-frame.html>.

**June 24, Ottawa, ON:** Join us at the Rockcliffe (CYRO) Airport as the Rockcliffe Flying Club hosts the Ottawa Jaguar Club's 2006 Concours d'Elegance. See over 60 vintage and classic cars on display. The cars will be on display from 9:00am and the judging starts at 4:00pm. Tony's BBQ will be open. Visit our website for more details. [www.rfc.ca](http://www.rfc.ca) or call Brenda at 613-746-4425.

**June 28-July 7, Rockton, ON:** The 2006 Canadian National Soaring Championships. The competition will be organized in three classes: 15 metre, Standard and Club Class based on aircraft design. The pilots will race around pre-determined courses of 200-300 km distances each day that weather conditions permit. Spectators are welcome to attend with activity beginning with a daily pilots' briefing at 10 a.m. and the race ending around 5 p.m. For more information visit [www.sosaglidingclub.com](http://www.sosaglidingclub.com).

**July 1, Ottawa, ON:** Join us at the Rockcliffe (CYRO) Airport as we celebrate Canada Day with our annual fly-in breakfast and a full day of events. Visit the Canada Aviation Museum and / or take a sightseeing flight (\$30.00 / person) over the Gatineau Hills. Breakfast from 7:30 to 11:30am rain or shine (indoor seating available) Adults \$5 and Children under 12 \$3. Visit our website for more details [www.rfc.ca](http://www.rfc.ca) or call Brenda at 613-746-4425.

**July 1-2, Sherbrooke, QC:** Les Faucheurs de Marguerites/COPA Flight 37 and RAA Sherbrooke Chapter "Les Faucheurs de Marguerites" are proud to invite the sport/recreational aviation community from Canada and USA to its 12th Annual Fly-in at the Sherbrooke Airport (CYSC). No air show and no aerobatics! Menu: Aircraft of all kinds, fly market, static displays, workshops, exciting conferences/seminars, homebuilt/aircraft restoration contest, commercial stands, aircraft manufacturers, aircraft clubs, Saturday night supper and party, restaurant on site for breakfast, lunch or dinner, camping on site. A lot of fun! For more information: Web site [www.lesfaucheurs.com](http://www.lesfaucheurs.com), E-mail: [lesfaucheurs@hotmail.com](mailto:lesfaucheurs@hotmail.com), Réal Paquette, Tel.: 819-878-3998.

**July 3-6, Kingston, ON:** Short Wings over Canada! The Short Wing Piper Club's first convention outside the United States at CYGK and the Ambassador Hotel, hosted by the St. Lawrence Seaway Chapter. Rub shoulders with experts on Piper Vagabonds, Clippers, Pacers, Tri-Pacers, and Colts. For more information contact Danny MacNaughton at Tel.: 613-384-1188 or Michael Shaw at Tel.: 613-824-7145; E-mail: [dmacnaughton@cogeco.ca](mailto:dmacnaughton@cogeco.ca) or [airmail@rogers.com](mailto:airmail@rogers.com); Website: <http://swpcseaway.com>. **July 8, Arnprior, ON:** COPA Flight 33's Annual Fly-In Breakfast at the Arnprior Airport (CNP3) from 7 a.m. to 11 a.m. Fly or drive-in. Everyone welcome. Contact Rick Raymond Tel.: 613-832-2399, or John Chapman Tel.: 613-623-7231.

**July 8-9, Geneseo, NY:** Geneseo Air Show, one of the top 10 air shows in North America! Arrival day July 7. Six continuous hours of fascinating performances by antique, classic, experimental aircraft and especially warbirds! Self-contained camping available. Transient planes welcome. Handicapped friendly. For hours, admission and waiver times call 585-243-2100 or check [www.1941hag.org](http://www.1941hag.org). The Museum is located about 20 minutes south of Rochester, off Rte. 63, just to the West of the Village of Geneseo.

## FOR SALE

**Place your ads by phone with Bill Reed 613-831-8762 or e-mail to [bill at ncf dot ca](mailto:bill@ncf.ca)  
Deadline is first of the month. Ads will run for three months. You may request a two-month extension. Please let me know if any of the articles have been sold.**

### For Sale

**Amy Staples** has a number of aircraft items still available for sale from **Les Staples** extensive collection.

All reasonable offers welcome to facilitate a quick sale.

- Subaru EJ25 165 HP auto engine conversion complete with new Reductions Inc belt drive.
- Warp Drive 3 blade 74" dia. left hand rotation Standard propeller with nickel leading edge protection. Brand new.
- Various 2-1/4" engine instruments including EGT/CHT, Oil Temp, Oil Pressure, Water Temp, etc.
- Grand Rapids Technologies EIS Engine monitor with a couple of CHT sensors
- 3-1/8" Turn & Bank, used condition
- Several aircraft wheels with mounted tires, including RV-6A/Grumman style nose wheel.
- 2.5" and 3" SCAT tubing
- Handeld Sporty's aircraft receiver only.
- 2 Cessna seats on rails
- ELT Dorn and Margdin 121.5 and 243 MHZ.
- 2 Sigtronics S-20 Headsets
- Several wing struts.
- 3 External Venturi for vacuum instruments
- Rivet spacing tool (pantograph fan style)
- Set of cylinder base wrenches
- Mechanical style fuel gauge for high wing root mounting
- Robert Avery long arm rivet station
- 2 sets of 5 point harnesses
- 6" wheel hubs with drum brakes
- Dual yoke controls for a Cessna with chain drive
- Various other aircraft related items too numerous to list.

**01/06** Contact **Amy Staples** at **831-9079** for more information.

### Stolen

**AVMap EKP IV GPS**

**Please contact Bill Reed if you hear of an AVMap for sale cheap. It may be mine**

### Help Available

**AME available for annuals or repair**

**04/06 Chris Walters Home 613-749-6391**

**Work 613-739-2990.**

### For Sale

**\$25,000.**



**Kitfox Model 3 Homebuilt (Professionally Built in 1995) airplane. The aircraft has 67 Hours total time. Save yourself years of work by buying a completed homebuilt.**

**04/06 [Russell Holmes](mailto:Russell.Holmes@ncf.ca) 613 226-8273**

### For Sale

**\$55,000**



**Sonex 54 hours since new, the engine is a Revmaster 80 H.P., engine monitor, Garmin GPS/COM, intercom, ELT, VFR panel, 142 MPH cruise at 4 GPH, excellent performer, exceptional aircraft**

**04/06 [Pierre & Denise Marcotte](mailto:pm1@cogeco.ca) 1-613-498-3344 (tel. & fax) [pm1@cogeco.ca](mailto:pm1@cogeco.ca)**



**Wanted**  
**A paint shaker for the chapter**  
 04/06 Contact G Este [Este@compmore.net](mailto:Este@compmore.net)

**Your add here**

**Articles wanted**  
 I am always interested in receiving submissions for this, your Newsletter. You may bring articles to the monthly meetings, or mail information to the post office box, or email [bill at ncf dot ca](mailto:bill@ncf.ca)

**Newsletter Deadlines**

Deadlines for articles and for sale/wanted ads will normally be 3 weeks before the next meeting. A short example follows:

- Meeting – 2006 Newsletter deadlines
- June 17<sup>th</sup> – May 26<sup>th</sup>
- July 15<sup>th</sup> – Jun 24<sup>th</sup>
- August – No newsletter
- September 21<sup>st</sup> – August 31<sup>st</sup>
- October 19<sup>th</sup> – September 28<sup>th</sup>
- November 16<sup>th</sup> – October 26<sup>th</sup>
- December – Jan (December shifted to January 2007)
- Meeting date – 2007 Newsletter deadlines
- January 18<sup>th</sup> – Jan 4<sup>th</sup>
- February 15<sup>th</sup> – Feb 1<sup>st</sup>
- March 15<sup>th</sup> – Feb 22<sup>nd</sup>
- April 19<sup>th</sup> – Mar 29<sup>th</sup>
- May 17<sup>th</sup> – Apr 26<sup>th</sup>



**EAA Chapter 245 Membership Application**

NEW:\_\_\_ RENEWAL:\_\_\_ DATE:\_\_\_/\_\_\_/\_\_\_  
 EAA NUMBER:.....  
 EXP Date:\_\_\_/\_\_\_/\_\_\_  
 NAME:.....  
 ADDRESS:.....  
 CITY/TOWN:.....  
 PROV:.....PC:.....  
 PHONE:(.....).....H (.....).....W  
 EMAIL:.....  
 DISTRIBUTION Preference: email..... post.....  
 AIRCRAFT & REGISTRATION:.....  
 .....

**OTHER AVIATION AFFILIATIONS:**

COPA:\_\_\_ RAA:\_\_\_  
 OTHER:\_\_\_\_\_

**Annual Dues:** January 1st to December 31st. (prorated after March 31st for new members/subscribers).  
 Associate Member \_\_\_: \$35.00 Newsletter plus Chapter facilities  
 Full Member: \_\_\_: \$70.00 Newsletter, hangar, workshop, tiedowns.  
 (Note: there is a one time \$200 initiation fee when you become a Full Member)  
 Newsletter subscriber \_\_\_: \$35.00 Newsletter  
 Note Associate and full members must also be members of EAA's parent body in Oshkosh WI, USA

Make cheque payable to:  
 EAA Chapter 245 (Ottawa)  
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 K2M 2C3