

## In this Issue:

- **Message from our Chapter President**
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- **Thoughts on EGT and CHT by Mike Busch (used with permission).**

## Newsletter, May 2021

### **Notice of ZOOM Meeting:**

Thursday, May 27, 2021 at 7:30 PM:

**Presenter:** Steve Farnworth

### **Topic:**

The Hawkesbury (and other) Flying Club(s): How flying clubs came to be in Canada, their development through the years, and their importance in today's world.

### **Location:**

**PLEASE NOTE, THIS IS AN ONLINE MEETING.**

**The sign-on link is provided within the e-mail that transmitted this newsletter.**

Please be advised that any discussions or articles presented in this newsletter are for educational purposes ONLY. Only the reader can make the determination as to if the information provided is suitable for a particular application, and that this information is based on and/or contains sound, safe, generally accepted aircraft best practices.

President:  
*Mike Lustig*

Vice-President:  
*Bill Evans*

Past President:  
*Michel Moreau*

Treasurer:  
*Roberto Cea-Campo*

Membership Coordinator:  
*John Dudkoff*

Secretary:  
*David Cyr*

Newsletter Editor:  
*Richard Guevara*

Catering:  
*Leo & Nora Nikkinen*

To contact any of our executive, send email to

[contact@eaa266.org](mailto:contact@eaa266.org)

and mention in the email the person to whom it is directed.

Librarian:  
*Ed Hannaford*

Technical Counselor:  
*J.P. Chartrand*

Flight Advisor:  
*Graham Batty*

Website Administrator :  
*Sandrine Gressard*

**A word from our Chapter President...****Mike Lustig**

Hello everyone!

So this will be our last meeting for the 2020-2021 season and thanks to everyone for their brave and successful efforts in adapting to the Zoom world. I would like to take a few moments at the end of Thursday's meeting to ask for feedback from the participants as to how they felt about the Zoom format, vis-à-vis possibly adding Zoom capacities to our post-pandemic meetings.

It has been brought to my attention by our new Website Administrator Sandrine Gressard that EAA has developed this amazing website feature called: EAA Builders Log. Any EAA member can sign-up and start documenting their build.

For further info, check out <https://eaabuilderslog.org/>

There will be no Zoom Waiting Room that you may have experienced in other Zoom meetings; when you click on the meeting link, you will go straight into the meeting. Say *"Use Internet Audio"* if asked. Every aviation enthusiast in the world is welcome. If you are a newcomer to the EAA 266, it would be nice to say who you are and where you're from; don't be shy!

Best Regards to All and Stay Safe,

Mike Lustig  
President, EAA 266

**A word from our Editor****Richard Guevara**

If one needs a standard reference text for general homebuilt construction, one reaches for the Tony Bingelis's seminal three volume set; if one needs a reference book on aircraft electrics, chances are that most of us would reach for Bob Nuckoll's "AeroElectric Connection", and for engine maintenance, Mike Busch's books and articles come to mind as being second to none. In this month's newsletter, a presentation is made of a printed version of a Mike Busch YouTube© video that addresses the question of how EGT and CHT are measured, and more importantly, addresses the significance of what these readings tell the pilot about the health and performance of an aircraft engine. Considering the many diverse opinions on this topic, the reader alone is left with the responsibility to determine if the reasoning Mike provides meets a personal bar for consideration.

Give it a look.

Stay Safe,  
-The Editor

In this article, Mike Busch, the well-known small aircraft maintenance authority and educator, looks at and discusses in detail the role of Exhaust Gas Temperature (EGT) and Cylinder Head Temperature (CHT) instruments and readings in the flying and maintenance of homebuilts. Mike is the principal of Savvy Aircraft Maintenance Management, Inc. The full presentation is available on the EAA 266 website at:

<https://chapters.eaa.org/ea266/-/media/FD0B4491EECE48208D5A2A81D55C70B3.ashx>

A brief synopsis of the article is shown below.

Extracted from a YouTube video: <https://www.youtube.com/watch?v=fqe9j74qMdk>

Embedded slides provided by Mike Busch.

Text summarized and reworded for easier reading by Carlos Sa.

Savvy Aviation YouTube channel:

<https://www.youtube.com/channel/UCc-IPamUhzvGsAfMzH2lIcA/videos>

# All About EGT & CHT



<http://www.savvymx.com>

CHT, EGT, TIT, detonation, pre-ignition:  
what do they really mean?



All About EGT & CHT  
(09/01/2010)

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Maintenance Management, Inc.



<http://www.savvymx.com>

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## Your host: Mike Busch

- Aircraft owner for 42 years
- A&P/IA and CFI/AI/ME
- Tech rep for CPA, ABS, COPA
- Aviation writer, teacher, expert witness
- 2008 National AMT of the Year
- Educated as a mathematician
- Career software developer (retired)
- Founder/CEO of SavvyMx



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<http://www.savvymx.com>

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The screenshot shows the website for Savvy Aircraft Maintenance Management. The header features the company logo and the tagline "Professionally Managed Maintenance for Owner-Flown Aircraft". A navigation menu includes links for Home, About Savvy, FAQ, Testimonials, Get Savvy!, Service centers, Reference, and Contact us. The main content area is titled "Why hire Savvy to manage your aircraft maintenance?" and includes a sub-section "Just ask a Savvy client..." with an arrow pointing to a testimonial. The testimonial describes how Savvy provides professional maintenance management, offering expert guidance and representation. It lists several benefits: saving money, eliminating time and hassle, providing peace of mind, detecting problems early, and focusing on top priorities. The website also features a search bar, a "Savvy clients" section with more testimonials, a "Free Webinar" section for the next Wednesday, and a "Contact Savvy" button.

All About EGT & CHT  
(09/01/2010)

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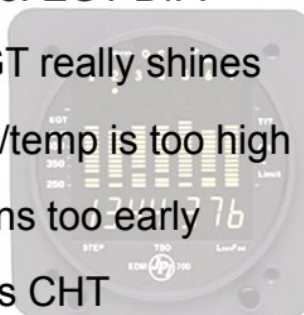


<http://www.savvymx.com>

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## EGT & CHT: lots to discuss...

- **A brief history of EGT**—the theory of relativity
- **Ignore absolute EGT**—it's not a real temperature
- **What EGT & CHT really mean**—wasted energy
- **The flat-top myth**—GAMI spread vs. EGT DIFF
- **Troubleshooting tips**—where EGT really shines
- **Detonation**—when combustion press/temp is too high
- **Pre-ignition**—when combustion begins too early
- **Managing CHT**—how mixture affects CHT



All About EGT & CHT  
(09/01/2010)

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### Of General Interest

various contributors

Some useful Zoom links:

- <https://zoom.us/signup>
- <https://zoom.us/signin>
- <https://zoom.us/join>

### Of General Interest

various contributors

1. If anyone is aware or comes across any event that may be of interest to our members, please email myself or someone in the list on the front of this newsletter and let us know so that we can broadcast it to all concerned.

### EAA 266 Library

by Ed Hannaford

The EAA 266 library contains a collection of books and DVDs that cover aircraft in general, homebuilding construction techniques, local events, history and Technical Manuals. Due to the Covid-19 pandemic, we have suspended the library operations. We will keep you informed of any changes in library operations in future Newsletters. Details of the library may be found on the EAA 266 website: [www.eaa266.org](http://www.eaa266.org) . Contact Ed Hannaford for additional information.

Contact Us!

<http://eaa266.org>

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**The Unclassified Classified****Free Ads for Paid-Up Members**

**Plans (drawings) to give away, Still Available!** : Plans for the Super Cavalier SA 105 all-wood aircraft. Donation thanks to John Duckmanton. For information, call Michel 514-694-2129.

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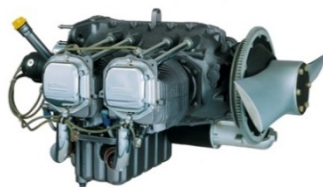
**FREE Plans (drawings, photo below)** Karatoo J6C (Australian version of Karatoo). Larger, longer, 80hp to 100hp, steel tube fuselage, metal OR wood wing, folding wing option, removable rear cockpit tubing for use as camper vehicle. High wing and large windows for exceptional outside view. Luc Robillard Tel: 514-366-7500, cell: 514-298-3459 email [lucrobes@hotmail.fr](mailto:lucrobes@hotmail.fr)



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**For Sale:** Lycoming 0235-C1 with logs 2160 SMO, 1427 STO (PenYann) with starter and generator. \$2900.00 John 514-428-1233

Picture below FOR REFERENCE ONLY:



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**Seeking:** Looking for partner (or partners) to purchase a small (2-4 place) airplane. Would consider factory or home-built, tricycle or tail wheel. Robert Hope, [roberthope530@gmail.com](mailto:roberthope530@gmail.com)

**Seeking:** Active aircraft builder looking for old projects or materials. Specialized in old wood aircraft and restoration. Ron Gosselin (514) 808-1808 - [ronny@total.net](mailto:ronny@total.net)

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**For Sale:** Landing lights, 50W, 24V, 20\$ each, Frank Grayer (613) 874-2837.

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