



# Through The Windshield

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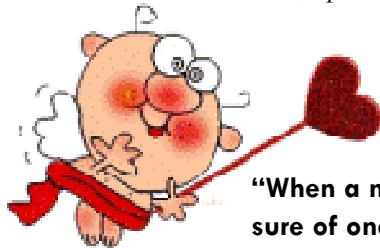
## Upcoming Events

### February

- 8th Board Meeting, 7pm
- 9th **General Meeting, 7:30pm,  
Guest Speaker: Peter Wilson,  
on Ford V8 Diesel Engine  
Design. Plan to attend!**



- 12th Valentine's Day Dinner and Dance, 5pm
- 20th Cruise-In Dinner, 5pm



**"When a man opens the car door for his wife you can be sure of one thing; either the car is new or his wife is."**

## Our Fantastic New Year's Eve Party

Please forgive me for being so over-the-top regarding our museum's annual New Year's Eve party this year, but it was fantastic! Don't just take my word for it, but check out the e-mails and phone calls from many of the **180** party-goers who have provided nothing but rave reviews about the entertainment (DJ), the decorating, the party favours, the champagne, the dancing and especially the food. Wow! How about succulent roast beef, perfectly

seasoned and prepared roast chicken, Italian pasta, great cabbage rolls, two side dishes, mashed potatoes, hot and perfectly prepared gravy, salad, rolls, with cake and ice cream dripping with chocolate or cr me-de-menthe, coffee and tea? A wonderful cold platter came later for all to re-energize in time for the ball drop at midnight!



### March

- 8th Board Meeting, 7pm
- 9th General Meeting, 7:30pm
- 17th Cruise-In Dinner, 5pm

### April

- 8th Board Meeting, 7pm
- 9th General Meeting, 7:30pm
- 9th&10th Militaria Gun & Knife Show
- 21st Cruise-In Dinner, 5pm

## Valentine's Day Dinner & Dance

- Delicious buffet including: roast beef, sausage and sauerkraut, potatoes, pasta, salad and dessert.
- Bar opens at 5 pm, dinner at 6:30pm
- Entertainment by Claudette Pinard
- \$25.00/person. Call 519-776-6909 for tickets.

## Inside this issue:

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## Our 2011 Raffle Car

If you've been to the museum or diner lately, you cannot have missed this year's beautiful raffle car perched in our lobby. She's a 1969 pale metallic green Ford Thunderbird with a deep green top. The car was graciously donated to us from Colonial Coffee.

You can't win if you don't buy a ticket, so dig deep and search the sofa cushions for those extra loonies and toonies. Tickets have just come in and are \$10 each or 3 for \$20. Throughout the year we will need several people to step up and volunteer to sell tickets at our on-site and off-site locations. Remember that car raffle tickets make great gifts! Tuck them inside greeting cards or stuff them into Christmas stockings.



**The 1969 T-Bird has been commanding lots of attention!**

*What was Joseph Stalin's real name? Would you believe, Iosif Vissarionovich Dzhugashvili? He took the name Stalin from the Russian word for "steel" (stal) and Lenin.*

## Low Octane Fuel

There is a lot of information online regarding using lower octane fuel and the damage it might cause a vintage high compression engine (muscle car era), including:

- Mechanical damage (broken ring lands)
- Abrasion (pitting of the piston crown)
- Overheating (scuffed piston skirts due to excess heat input or high coolant temperatures)

The high impact nature of this temperature spike can cause fractures; it can break the spark plug electrodes, the porcelain around the plug, cause a clean fracture of the ring land and can actually cause fracture of valve-intake or exhaust. The piston ring land, either top or second depending on the piston design, is susceptible to fracture type failures. If I were to look at a piston with a second broken ring land, my immediate suspicion would be

detonation. Another thing detonation can cause is a sandblasted appearance to the top of the piston. The piston near the perimeter will typically have that kind of look if detonation occurs. It is a Swiss-cheesy look on a microscopic basis. The detonation, the mechanical pounding, actually mechanically erodes or fatigues material out of the piston. You can typically expect to see that sanded look in the part of the chamber most distant from the spark plug, because if you think about it, you would ignite the flame front at the plug, it would then travel across the chamber before it got to the farthest reaches of the chamber where the end gas spontaneously combusted. That's where you will see the effects of the detonation; you might see it at the hottest part of the chamber in some engines, possibly by the residual heat in the valve.

In a four valve engine with a pent roof chamber with a spark plug in the center,

## Octane, continued

the chamber is fairly uniform in distance around the spark plug. But one may still see detonation by the exhaust valves because that area is usually the hottest part of the chamber. Where the end gas is going to be hottest is where the damage, if any, will occur.

Because this pressure spike is very severe and of very short duration, it can actually shock the boundary layer of gas that surrounds the piston. Combustion temperatures exceed 1800 degrees. If you subjected an aluminum piston to that temperature, it would just melt. The reason it doesn't melt is because of thermal inertia and because there is a boundary layer a few molecules thick next to the piston

top. This thin layer isolates the flame and causes it to be quenched as the flame approaches this relatively cold material. That combination of actions normally protects the piston and chamber from absorbing that much heat. However, under extreme conditions, the shock wave from the detonation spike can cause that boundary layer to break down which then lets a lot of heat transfer into those surfaces. Engines that are detonating will tend to overheat, because the boundary layer of gas gets interrupted against the cylinder head and heat gets transferred from the combustion.

**Frank Hawkes**



**This piston crown shows pitting likely due to detonation or early combustion.**

## How We Do It At CTMHV

Our membership is made up of passionate people. But does that passion extend beyond cars and history? I like to think that we are a diverse and romantic bunch. I decided to take an informal survey of a few people who work and visit here, to see what they do to celebrate Valentine's Day.

Kim, our museum curator, events coordinator, and woman of many hats, likes flowers. Any kind will do! Mary Hawkes, our Friday volunteer, thought for a moment, and after a long "Hmmm," said with a smile, "Something shiny." (To Frank, her husband, that doesn't mean fishing lures or auto parts!) Out in the lobby, I found Bev Bactold, a member and frequent customer, who responded without hesitation, and loud enough for her husband to hear, "Gold!"

Our new cook, Pam, said she loves flowers, but Maribeth, whose wedding anniversary is Feb. 18, says she celebrates either Valentine's Day or her wedding day. Nicole Denis reflected the sentiments of several people around here, saying that time spent with your significant other is enough. Bob Caldwell, who is a thoughtful gift-giver to his wife, surprised me with his answer, "NOTHING!" What? This from the man who plans his gifts months in advance?

There were a few other male members in the diner who told me outright that they can't be bothered with candy and flowers. After berating them for their disinterest and giving them my version of what makes a woman happy, they gave me a look that said, "Go away." For a piece of chocolate, I will.

*Flowers, candy and jewelry still make the top ten list of best Valentine's Day gifts, but now we can say I love you with iPods, mobile phones, iPads, e-readers and airline tickets as well. But don't forget that a romantic home-cooked meal with candle light and star-gazing goes a long way on the romance metre.*

## From the Education Desk

Take a look at the new Education portion of our website. Tom Eaton, our web designer, has added our education information booklets to the site, as well as the new program descriptions. There is now a section of teacher reviews too! My grateful thanks go to Tom for his attention to detail and quick work.

### The Game of Graces

As you may already know, our field trip students love their Pioneer Playtime. We have an assortment of vintage reproduction toys (also available in our gift shop), that keep the kids laughing and active out in the sunshine. One of the most popular is the Game of Graces. This is a great game dating back to Victorian times. Graces requires players to toss a colorful ring through the air using a pair of sticks, and was originally designed to teach young ladies the art of graceful movement; thus the name “graces.” Girl game or not, *everyone* loves to play! Kim and I have played and we spent much time alternatively self-congratulating and then laughing at each other’s clumsiness.



Two Victorian ladies playing the Game of Graces

It takes some practice to be able to launch the ring properly, and to get it flying in the right direction. The “graceful” part of it is debatable! It’s a bit difficult to look swanlike when you are lunging for a ring, mouth agape and your tongue hanging out, grunting as you stumble across the grass. But it sure is fun!

If you’re not a handy person, just visit our museum gift shop to purchase the game. It’s only \$14. Or, use the following instructions to make your own Game of

Graces. Everything you need can be found around the house or easily and inexpensively purchased from local hardware and craft stores.

### You will need:

- One 10” or 12” embroidery hoop (inside ring only)
- Four 3/8” wooden dowels, cut to 22” lengths
- Tape to wrap hoop (I use hockey tape)
- Cloth ribbon, 1”-2” wide

Wrap the embroidery hoop tightly with hockey tape to give it more stability. Leaving a “tail” for tying off the end, wrap ribbon around hoop tightly, being careful to overlap the ribbon somewhat, so that the underlying hoop is not exposed. Tie off the ends and let them hang for decoration. You might want to add 3 more ties on even points around the hoop for decoration.

### How to Play

Each of the players gets two catcher sticks. Throwers and catchers stand approx. 15 to 20 feet apart. The thrower scoops up the hoop on both sticks, and holding them in an “X” fashion, draws them apart and sends the graceful hoop flying through the air. The catcher uses one or both of their sticks to catch the hoop. The catcher now becomes the thrower and repeats the process.

**Remember to play carefully, kids...running with sticks can be dangerous.**

## What's in Your Workshop?

**Drill Press:** a tall upright machine useful for suddenly snatching flat metal bar stock out of your hands so that it smacks you in the chest and flings your beer across the room, denting the freshly-painted project which you had carefully set in the corner where nothing could get to it.

**Wire Wheel:** cleans paint off bolts and then throws them somewhere under the workbench with the speed of light. Also removes fingerprints and hard-earned calluses from finger in about the time it takes you to yell, "Oh, shit!"

**Skill Saw:** a portable cutting tool used to make studs too short.

**Pliers:** used to round off bolt heads. Sometimes used in the creation of blood-blisters.

**Belt Sander:** an electric sanding tool commonly used to convert minor touch-up jobs into major refinishing jobs.

**Hacksaw:** one of a family of cutting tools built on the Ouija board principle. It transforms human energy into a crooked, unpredictable motion, and the more you attempt to influence its course, the more dismal your future becomes.

**Vise-Grips:** Generally used after pliers to completely round off bolt heads. They can also be used to transfer intense welding heat to the palm of your hand.

**Table Saw:** a large stationary power tool commonly used to launch wood projectiles for testing wall integrity.

**Hydraulic Floor Jack:** used for lowering an automobile to the ground after you have

installed your new brake shoes, trapping the jack handle firmly under the bumper.

**Phillips Screwdriver:** Normally used to stab the vacuum seals under lids or for opening old-style paper-and-tin oil cans and splashing oil on your shirt; but can also be used, as the name implies, to strip out Phillips screw heads.

**Straight Screwdriver:** a tool for opening paint cans. Sometimes used to convert common slotted screws into non-removable screws and butchering your palms.

**Pry Bar:** a tool used to crumple the metal surrounding that clip or bracket you needed to remove in order to replace a 50 cent part.

**Hose Cutter:** a tool used to make hoses too short.

**Hammer:** originally employed as a weapon of war, the hammer nowadays is used as a kind of divining rod to locate the most expensive parts adjacent the object we are trying to hit.

**Utility Knife:** used to open and slice through the contents of cardboard cartons delivered to your door; works particularly well on liquids in plastic bottles, collector magazines, rubber or plastic parts and for slicing work clothes.

**Son-of-a-Bitch Tool:** the one that you grab and throw while yelling "Son of a bitch!" It is also, most often the next tool you'll need.



*"Electricity can be dangerous. My nephew tried to stick a penny into a plug. Whoever said a penny doesn't go far didn't see him shoot across that floor. I told him he was grounded."*

*Tim Allen*



*"I'm afraid to send my kids to the movies anymore. Ever since they let Clark Gable get by with saying, 'Damn' in Gone With the Wind, it seems every new movie has either 'Hell' or 'Damn' in it."* **Unknown**

## Poetic Thoughts from a Bygone Time

A little house with three bedrooms,  
one bathroom and one car on the street.  
A mower that you had to push  
to make the grass look neat.

In the kitchen on the wall  
we only had one phone,  
And no need for recording things,  
someone was always home.

We only had a living room  
where we would congregate,  
unless it was at mealtime  
in the kitchen where we ate.

We had no need for family rooms  
or extra rooms to dine.  
When meeting as a family  
those two rooms would work out fine.

We only had one TV set  
and channels maybe two,  
But always there was one of them  
with something worth the view.

For snacks we had potato chips  
that tasted like a chip.  
And if you wanted flavour  
there was Lipton's onion dip.

Store-bought snacks were rare because  
my mother liked to cook  
and nothing can compare to snacks  
in Betty Crocker's book.

Weekends were for family trips  
or staying home to play.  
We all did things together,  
even go to church to pray.

When we did our weekend trips  
depending on the weather,  
no one stayed at home because  
we liked to be together.

Sometimes we would separate  
to do things on our own,  
but we knew where the others were  
without our own cell phone.

Then there were the movies  
with your favourite movie star,  
and nothing can compare  
to watching movies in your car.

Then there were the picnics  
at the peak of summer season,  
pack a lunch and find some trees  
and never need a reason.

Get a baseball game together  
with all the friends you know,  
have real action playing ball  
and no game video.

Remember when the doctor  
used to be a family friend,  
and didn't need insurance  
or a lawyer to defend?

The way that he took care of you  
or what he had to do,  
because he took an oath and strived  
to do the best for you.

Remember going to the store  
and shopping casually,  
and when you went to pay for it  
you used your own money?

Nothing that you had to swipe  
or punch in some amount,  
and remember when the cashier person  
had to really count?

(Continued on page 7)



## Bygone Time, Continued

The milkman used to go  
from door to door,  
and it was just a few cents more  
than going to the store.

There was a time when mailed letters  
came right to your door,  
without a lot of junk mail ads  
sent out by every store.

The mailman knew each house by name  
and knew where it was sent;  
there were not loads of mail addressed  
to "present occupant."

There was a time when just one glance  
was all that it would take,  
and you would know the kind of car,  
the model and the make.

They didn't look like turtles  
trying to squeeze out every mile;  
they were streamlined, white walls, fins  
and really had some style.

One time the music that you played  
whenever you would jive,  
was from a vinyl, big-holed record  
called a forty-five.

The record player had a post  
to keep them all in line  
and then the records would drop down  
and play one at a time.

Oh sure, we had our problems then,  
just like we do today  
and always we were striving  
trying for a better way.

Oh, the simple life we lived  
still seems like so much fun,  
how can you explain a game  
just kick the can and run?

And why would boys put baseball cards  
between bicycle spokes  
and for a nickel, red machines  
had little bottled Cokes?

This life seemed so much easier  
and slower in some ways.  
I love the new technology  
but I sure do miss those days.

So time moves on and so do we  
and nothing stays the same,  
but I sure love to reminisce  
and walk down memory lane.



*The first merchandise to feature Mickey Mouse was a child's school tablet, in 1929.*

*The first Mickey Mouse wristwatch was produced by The Ingersoll-Waterbury Co. in 1933. The dial read: Mickey Mouse-Ingersoll. It originally sold for \$3.75, then was reduced to \$2.75.*

## Two Wolves

One evening an old Cherokee told his grandson about a battle that goes on inside people. He said, "My son, the battle is between two wolves inside us all. One is Evil; it is anger, envy, jealousy, sorrow, regret, greed, arrogance, self-pity, guilt, resentment, inferiority, lies, false pride, superiority, and ego. The other is Good; it is joy, peace, love, hope, serenity, humility, kindness, benevolence, empathy, generosity, truth, compassion and faith."

The grandson thought about it for a minute and then asked his grandfather, "Which wolf wins?"

The old Cherokee simply replied, "The one you feed."

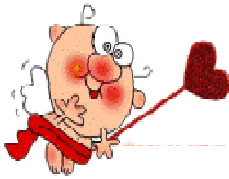
## The Fall of the Athenian Republic

A democracy cannot exist as a permanent form of government. It can only exist until the voters discover that they can vote themselves money (generous gifts) from the public treasury. From that moment on, the majority always votes for the candidates promising the most money from the public purse, with the result that democracy eventually collapses over loose fiscal policy. Almost always the collapse is followed by dictatorship.

The average age of the world's greatest civilizations in history has been two hundred years. It can be argued that most of these failed civilizations followed the following sequences: (Note that France is in its 5th republic since 1789, Britain last changed its government in 1661 and the U.S. is still in its first republic since 1787.

Canada is still in its initial 1867 governmental form.)

- From bondage to spiritual faith
- From great spiritual faith to great courage
- From courage to liberty
- From liberty to abundance
- From abundance to selfishness
- From selfishness to complacency
- From complacency to apathy
- From apathy to dependence
- From dependence back to bondage



*Fellas, if you find that buying a dozen red roses is too expensive, just buy one long-stemmed red rose and have the florist tie a beautiful bow around it. Add a mushy card and you've made your sweetie one happy lady!*

## Militaria Gun and Knife Show, Feb. 9th & 10th

An exciting new event comes to CTMHV, our first annual **Militaria Gun & Knife Show**, in our museum building. All are welcome; admission is only \$5 per person.

**Free space** is still available to vendors and exhibitors. Please call Kim or Mickey at 519-776-6909 to reserve your spot. See ad on back page.

## U.S. Announces Cost to Outfit One Soldier

The War Department revealed tonight that the startling sum of \$156.30 is required to provide an infantryman with arms, clothes and eating utensils. Each soldier will receive 107 pieces of fighting equipment (including 100 rifle cartridges), 50 articles of clothing and 11 cooking implements. His weapons are priced as follows: trench tool-50 cents, bayonet scabbard-\$1.13, bayonet-\$2.15, steel helmet-

\$3.00, cartridge belt-\$.08, cartridges-\$5.00, gas mask-\$12.00, rifle-\$19.50. Included in the clothing costs are three wool blankets at a cost of \$18.75 and a bedsack which costs \$0.98. In Canada, a soldier with the rank of private earned \$1.00 per day.

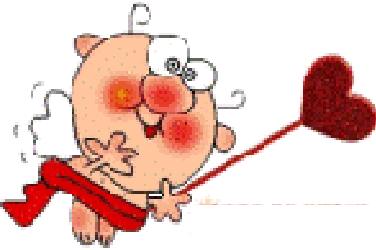
August, 1917



**A Canadian WW I soldier.**

## Events Guide

Our annual events guide is taking shape, thanks to the persistent efforts of many people. This yearly job is a monster and



we need to acknowledge the efforts of the following folks: Kim Brimner, Harry Bergman, Joe Romanowski, Dave Tanner, Rosie Bosse, Cory Rousseau, Lisa Wacheski, Crystal Deever, Len Langlois, Ab Ives, Jim Watson, Joe Torjak, and last, but not least, Glen Young. Currently, you can find updated event information on our website.

## Marmon at Indianapolis

The 1920 Indianapolis 500 Race featured a 1921 Marmon (identical to the 1922 Marmon in our museum) as its official pace car. Many felt that this pace car was actually faster than the race cars themselves.

The pacemaker, or driver of the pace car in 1920, was Barney Oldfield (1878-1946), an automobile racer and pioneer. He was the first man to drive a car at 60 miles an hour on an oval.



Above left: the Indy 500 poster for 1920. Gaston Chevrolet, a French-born American, won the race that year. Above right: the 1929 Marmon pace car.



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*“Whatever you may look like, marry a man your own age; as your beauty fades, so will his eyesight”*

**Phyllis Diller**

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WE'RE ON THE WEB! [WWW.CTMHV.COM](http://WWW.CTMHV.COM)

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To contribute an article of interest,  
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“Through the Windshield” is published in Essex County by and for the members of the Historic Vehicle Society of Ontario and the Canadian Transportation Museum and Heritage Village. Its purposes are to present business topics and varied items of interest, and to promote a spirit of cooperation amongst our members and families, as we strive to preserve our past in the present for the future. Any mistakes or errors in this newsletter are not necessarily the fault of the editor.



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## 2010/11 HVSO Board of Directors

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## MILITARIA GUN & KNIFE SHOW

Sat. April 9th and Sun. April 10th

9:30 a.m. to 4 p.m.

**Delicious food provided by our 50's Diner**

Open to the public. Admission: \$5 per person,  
children under 12, free

**Now taking reservations  
for Vendors and Exhibitors**

Free of charge. To book your space,  
call 519-776-6909