

Fox Valley Electric Auto Association

**PO Box 214
Wheaton, IL 60187-0214**

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JULY 2013 FVEAA Newsletter

The FVEAA is a Not-For-Profit Illinois Corporation and the Chicago Area Chapter of The Electric Auto Association

Note: Meeting Date and Place This Month

Next Meeting

July 19, 2013

Community Christian Church

1635 Emerson Lane, Naperville, Illinois 60540

at the intersection of Ogden and Rickert Drive in Naperville

Also called the "Yellow Box." We'll meet in the little theater west side, 1st floor

DOORS OPEN 6:30 p.m. MEETING STARTS 7:00 p.m. ENDS 9:15 p.m. Directions:

[Community Christian Church](#)

Agenda

1. 6:30 Doors Open
2. 7:00 Call to order - Welcome - VP Rich Hirschberg
3. Committee Reports
4. Old business / New Business
5. Update on PHEVs
6. Break
7. Special Guest - Jim Schmidt on Building an Electric Boat - Part 1
8. Close

Jim Schmidt's Electric Boat Open House

Saturday, July 20th, from 11:00am to 4:00pm

Address: 4127 West Orleans Street, McHenry, Illinois, 60050

Cell phone: 847-609-0432

MAP -> [Directions to Jims](#)

President's Words

Bruce Jones

Hi EVeryone,

Last month at our June 21st meeting we had an update on the world of Plug-in Electric Vehicles and an announcement that

FVEAA is now on Facebook thanks to member Grant Gerke. Check it out at <https://www.facebook.com/FoxValleyElectricAutoAssociation?fref=ts>

Rich Carroll provided some insight into the upcoming **Pikes Peak International Hill Climb** which tests man and machine to the extreme. It's great to see electric vehicles are making an ever growing impact in the event.

We then had an excellent presentation from Bob McKee of Bob McKee Engineering on the mechanical aspects of building electric vehicles. Bob is truly a pioneer in race car and electric vehicle technologies and we were honored to have Bob travel all the way from Lake Zurich to share his experiences with us.

ELECTRIC BOAT !

Jim Schmidt will be presenting a PowerPoint describing a simple sequential process he has used so far to build his custom designed electric boat. Then he will be holding an open house on the following day, Saturday the 20th in McHenry for all those interested in seeing the real deal. He also has an entertaining 5-minute video showing the "rollover" how boats are built upside down and then rolled over when completed.

The scope of the **ELECTRIC BOAT "Part 1"** is about

1. the motive
2. intent
3. hull resistance calculations
4. energy requirements
5. design
6. construction to its current state.

Then next year we'll do "Part 2" which will conclude the final construction with imminent launching.

ELECTRIC BOAT OPEN HOUSE - SATURDAY JULY 20 - 11:00 a.m. - 4:00 p.m.

Jim is hosting an open house on Saturday July 20th the day immediately after the meeting, where he will provide access to the boat and additional construction tidbits . . . things that haven't gotten into the boat yet. Also it may include a couple other surprises. The open house is planned to start at 11:00 a.m. and finish about 4:00 p.m.

HENNY KILOWATT

I received a phone call from Perry McFarland in down-state Illinois who is fixing up an old rusted "Henny Kilowatt" named "Lady Penelope"

[Henny Kilowatt Video - Perry McFarland](#)

[Lady Penelope - 1959 Henny Kilowatt](#)

which, believe it or not, is an early electric vehicle from the **1950s**. The model is based on the old Renault Dauphine (which I remember well, because my grandfather owned one back in the 1960s - B). Here's a photo of a nice Henny Kilowatt I saw on the web to give you an idea.



Perry will be sending me a video of his Henny Kilowatt and hopefully we can see it this meeting.

This is a most exciting find for Perry who has researched it and found the specs:

1. General Electric series wound 7.1 HP DC motor
1. 72 Volt system
2. 12 US Battery 145, 6.00 Volt, Lead-Acid, Flooded
3. and 1 Sears DieHard marine deep cycle
4. Range 40 miles at max. 50 mph

MICROMINI CAR MUSEUM - ELECTRIC VEHICLE EVENT - CRYSTAL LAKE

Perry also mentioned that there will be an electric car get together/event at the Small Wonders Micro Mini Car Museum in Crystal Lake on August 2 - 4. The owner is Ken Weger and he would like members to come out and bring their electric vehicles. There may be a fee for those without EVs. Perhaps see e Jim Schmidt, the Museum and Bob McKee all in a day?? Anyway here is the info on the Museum

[Small Wonders Micro Mini Car Museum - Crystal Lake](#)

3515 Oak Ridge Road
Crystal Lake, IL 60012
(815) 459-5005

Upcoming EVents - Per Rich Hirschberg

1. Need member vehicles at Farmers Market in Elgin, Thursday, Aug 1st, 2 to 5 or 6 pm.
2. "North Aurora Days" on Aug. 2, 3, and 4 would like electric vehicles for this event.

We'll find out more, but save the date.

3. Naperville "Last Fling" - Labor Day Weekend - Rich is finding out what our club can do
Todd Dore and Tesla Owners are going to be in Naperville Labor Day parade
4. August 2-4 Electric Vehicle event at Small Wonders Micro Mini Car Museum, Crystal Lake
5. National Plug-in Day, Sunday, Sept. 29th, location CCC or tbd 2-5? stay tuned

See you Friday July 19 at CCC.
Sincerely, Bruce Jones

Photos from Last Month



Bob McKee

Example of an early electric vehicle from Bob McKee Engineering of Lake Zurich



Jim Schmidt and his brand new Ford CMAX Hybrid



Scott Wilkenson and his Green Machine



Scott Wilkenson's Triumph



Spitfire



Dennis Doney's Zap Truck



Todd and Babet Martin with their new Chevy VOLT



Todd Dore's Tesla Model S



George Vladic discussing his Plug - In Prius

Even though the Pike's Peak International Hill Climb wasn't won by an electric this year, it was a riveting day of racing. Lets begin by recapping where we left off. To summarize:

1. Only three vehicles in the past had broken the ten minute barrier, two in 2012 and one in 2011. (The course had it's last little stretch at the top paved between those events.
2. Monster Tajima had run a 9:51.278 in 2011 in a gasoline powered racer.
3. Last year in really heated competition, Romain Dumas, a rookie from Switzerland in a GT3 Porsche went up the hill in a new record time of 9:46.18 (also gas powered
4. Last year, Rhys Millen from California started ten vehicles later, and in dryer conditions than Romain, bettered Romain's time by 0.02 seconds.
5. Monster Tajima ran in an electric last year, and had a small electric fire part way up the mountain.
6. This year, Monster Tajima and Rhys' dad Rod Millen both ran electrics. Their practice times indicated they were both many seconds faster than previous records.
7. Also this year, Sebastien Loeb came with a very potent Peugeot (made by Citroen-Peugeot) They claimed 875 HP from the car, and claimed the car weighed 875 Kg. (1925 lbs)
8. Monster Tajima ran well, and his time of 9:46.18 was extremetly competitive for previous years. His was the best electric this year, Rod Millen in an electric was able to run 10:24. Rod finished fourth in the electric class, 16th overall. Monster with his hot time of 9:46 was the best electric, but fifth overall. Paul Dallenbach beat Monster with a gas powered vehicle with about a half second lead on Monster; Jean-Philippe Dayraut was about four seconds ahead of Monster with a 9:42.740

So where does that leave Rhys Millen and this Peugeot with the nine times in a row World Rally Champion piloting it?

1. Chalk Rhys up for an unbelievable 9:02.192, more than 40 seconds ahead of Tajima, Rod Millen and Jean-Phillippe. That is truly astonishing. But even more astonishing was:
2. Sebastien Loeb, certainly proving himself as the world's best driver, with a 8:13.878. That means with the exception of Rhys, Sebastien was a minute and a half faster in 8 minutes than the best of the best, with the best equipment possible and the best talent from all over the world. Truly an incredible drive. Obviously the Peugeot 208 T16 is a very well balanced, very well set up race car with incredible powere and absolutely astonishing grip. His grip and power were so far above the others that cars in places 2 through

10 all were in the 70 something MPH (70-79 MPH), but Loeb ran an average of 87.47 MPH.

Overall, that means that while electrics have gotten a leap faster again, and proven in reliability, they will need to reach absolutely incredible performance specs to keep up with the winner.

I suspect next year will be every bit as exciting as this year. Keep watching, as it is one of the few places in the world where pure electric race cars compete directly with the best gasoline cars.

Meeting Minutes 05/12/2013

Bruce Jones

Welcome

President Bruce Jones opened the meeting at 7:05 p.m. and had newcomers introduce themselves. Old Business - None; New Business - None; Committee Reports - None Bruce Jones then presented the FVEAA Porsche 944 Conversion Project, with assistance from Ted Lowe who was the project manager on the 2007 conversion team which involved dozens of members over 6 months including John Emde, Rich Carroll, and many others.

Break

The meeting ended at 9:15 p.m.

Board Meeting 7/7/2013

A board meeting took place at Bruce Jones' house on 7/7/2013. A quorum of officers present included Bruce, John Emde, Dio Vesselinov, Todd Dore and Ted Lowe, plus newsletter staff member Keith Baubkus. Dio won the bean bag toss. Discussions included an update on finances, upcoming meeting topics and outreach.

As a club we want to look for an appropriate electric vehicle conversion project. We should take another survey to see what members want. We should look for another location for the Plug-in Day event in September. CCC was okay but without a plug-in charging station that may have limited participation. We'll check the Ford dealer across the street and the Jefferson street test track location in Naperville.

Officers were each asked to pick a month and be responsible for the meeting program and presentations.

Rich H -	(not present - but will handle July)
John E -	Motor presentation (mo. tbd)
Bruce J -	September - Plug-in Day check Jefferson St. or Ford
Ted L -	October
Todd D -	December party (perhaps Oakbrook?)
Dio V -	Financial aspects of EVs - (mo. tbd)

Rich C

(not present - tbd)

Membership Form

Ted Lowe

FVEAA Membership Application Form

Name: _____

Address: _____

City, State Zipcode: _____

Phone: _____ Phone Type: Home ___ Work ___ Cell ___

Email: _____

Please check one: New Member ___ Renewal ___

How did you hear about the FVEAA ? _____

Member Types and Annual Dues (Please circle one)	Newsletter Delivery Types (Please circle one)
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Individual	\$15	No Newsletter	\$0
Family	\$20	Electronic Only	\$0
Business	\$100	Postal Mailed	\$15
Premier Business	\$250	Postal Mailed and Electronic	\$15
Charter Business	\$500		

Total Due from Both Columns:

Please make checks payable to "FVEAA" and postal mail it with this membership application form to:

FVEAA

PO Box 214

Wheaton, IL 60187-0214

Attn: Membership

FVEAA Business Members

Netgain Motors, Inc.



NetGain Motors, Inc.

Exclusive worldwide distributor of WarP™, ImPulse™, and TransWarP™ electric motors for use in electric vehicles and electric vehicle conversions.

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4c Hillview Dr.
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Chicago Ridge, IL 60415
Phone: 708-422-5808
Email: harrisprecision@comcast.net

Plug-In Vehicle Solutions, Inc.

Mike Piscitelli
1104 Coventry Circle
Glendale Heights, IL 60139
Cell: 620-248-8810
Email: mpiscitelli@getplugging.com
Web: www.getplugging.com