

**Fox Valley Electric Auto Association**

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

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## **October 2012 FVEAA Newsletter**

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

### **Note: Meeting Place**

#### **Next Meeting**

**October 19, 2012**

**Community Christian Church**

**1635 Emerson Lane, Naperville, Illinois 60540**

**at the intersection of Ogden and Richert Drive in Naperville**

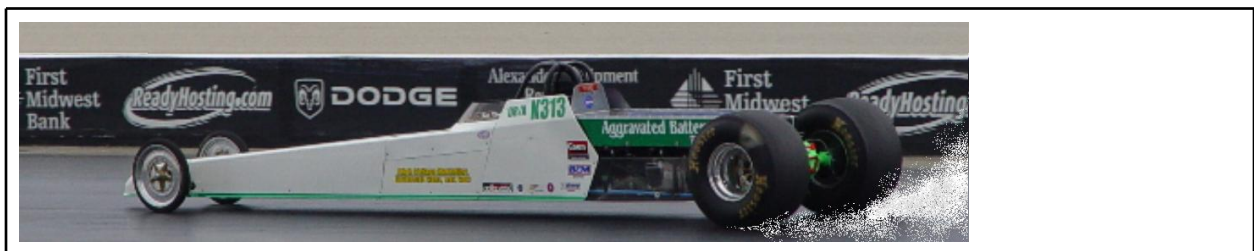
**Also called the "Yellow Box." We'll meet again in the little theater west side, 1st floor  
DOORS OPEN 6:30 p.m. MEETING STARTS 7:00 p.m. ENDS 9:15 p.m.**

Directions to Community Christian Church in Naperville:

<http://maps.google.com/maps?q=1635+Emerson+Lane+Naperville+Illinois>

#### **Agenda**

- Call to order
- Welcome
- Committee Reports
- Old business / New Business
- FVEAA in the NEWS
- Break
- John Emde and the Electric Dragster



**Hi EVeryone,**

This has certainly been an excellent month for the FVEAA from an activity, and press standpoint...lots of great news and publicity since our last meeting.

**Plug-in Day 2012 - and Chicago Tribune Article 9/23**

Right after the last meeting we held an amazingly successful Plug-in day 2012 rally / ride and drive event at the church. This was sponsored by Plug-in America, the Sierra Club and the Electric Auto Association with Dana Moreau who helped Rich Hirschberg plan the event.

Probably 60 to 70 attendees came through, and over 30 electric vehicles were on display with some people arriving from downtown Chicago, and as far away as Wisconsin, Indiana. One intrepid couple came from Champagne-Urbana Illinois (110 miles) who drove all the way in their Nissan Leaf, with a recharge in Dwight Illinois. And then we topped off the perfect weather day with a bite of pizza. Thanks to everyone who came!! See the photos later in this newsletter.

Read the article by the Chicago Tribune entitled "Electric cars draw interest on display in Naperville" on Sept.27, 2012 by Nancy Gier at the following web site.

[Plug-In Day 2012 Tribune Article on FVEAA in Naperville](#)

**ABC News 9/25**

On Tuesday Sept. 25th Rich Carroll, John Jeide and John Emde were interviewed at Pioneer Conversions by ABC feature reporter Frank Mathie who did a really nice EV interview for a news clip they showed on the 5 o'clock and 10 o'clock news. (We'll show it at the next meeting) Los tres amigos!

**WLS Radio 9/29**

On Saturday morning September 29th, Rich Carroll was interviewed on the radio by his good friend (for over 50 years!) broadcaster Paul Brian on his "Drive Chicago" show on WLS-AM 890. Paul is an automotive expert who focuses on the local, national and international automotive scene, including calls from listeners wanting to get the straight story about the automotive industry from experts like Rich. They chatted about charging standards, wireless charging, batteries, range, car conversions, and EVs versus compressed natural gas hybrid pickup trucks.

[WLS Radio](#)

Below is the link to the MP3 file of the whole show. The EV piece starts just after halfway through the program.

[Rich Carroll on the radio with Paul Brian Sept 29 2012 MP3](#)

**Elburn All Wheel Show 10/7**

But wait, there's more! We then had a very good EV turnout at the Elburn Lions club "All Wheel Show" on Sunday October 7th. This Fall Classic car show featured 41 classes of hot rods, street rods, muscle cars, motorcycles and of course, our favorite category electric vehicles. See more photos attached and thanks to Rich Hirschberg for planning and promoting that event and the handful of members who showed up to show off their EVs.

**Congresswoman Judy Biggert - Brooks Middle School STEM support from FVEAA**

We were contacted by Congresswoman Judy Biggert's office who was seeking support for Brooks Middle School in Bolingbrook. The kids there need some revving up of their science and math skills, so Rich Carroll and the FVEAA board are working on a plan to help them out. We'll hear more about this at the

meeting and hopefully later in the month we can kick off an electric vehicle program Oct 26 or 27 and then help the kids with an electric car model competition. Getting kids excited about electric vehicles will help them get excited about math and science.

**Lemont Paper**

And finally, our guest speaker for the next meeting John Emde was just featured in a news article about Pioneer Conversions in the local Lemont newspaper.

[Pioneer in the Lemont press](#)

We'll hear from John about his electric dragster on Friday October 19.

A great month and we picked up a handful of new members. Welcome!

Sincerely  
Bruce Jones

**Photos**

**Sept. 21, 2012 FVEAA Meeting - Fisker Karma from Grant Klurfurtos**



**Chris Young's neatly packaged and converted S-10**



**Plug-in Day Sept 23, 2012 with Dana Moreau, co-producer of "Revenge of the Electric Car"**



**Over 30 Plug-in Electric Vehicles in the parking lot of Community Christian Church**



**Ted Lowe relaxed but a little "tired" talking with Chris Young**

**Fisker Karma!  
Brought by Grant Klurfurtos**



**PIZZA!**



**Dennis Doney's ZAP**



**ELBURN LIONS CLUB ALL WHEEL SHOW 10/07/2012**



**Todd and Dave with his Leaf**

**Carl and wife with Tesla Roadster**



**DAVE and his VOLT.**



**Chris Young and dad Phil with their converted S-10 they built**

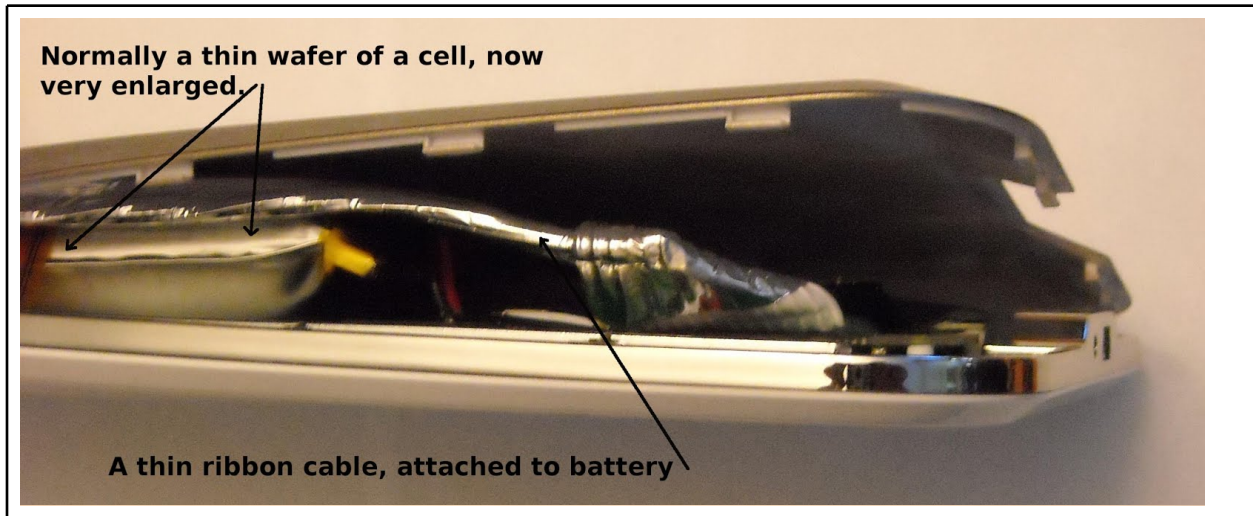


Just when you think that things are settling down in the world of batteries, surprising developments occur. We have known for some time that Lithium batteries heat and warp under rapid charging or discharging. Many pictures can be seen on the internet where lithium ion, lithium iron phosphate, or lithium poly batteries have overheated and distorted.

Several months ago, we purchased a Literati® e-book reader while it was on sale. It reads pdf's and epub files easily and has a good screen and a sD card for import. We find it easy to download an epub file, and take the Literati with us for vacations or just easy reading.

Two days ago, Rose, my wife came to me and asked what had happened to the Literati®. She said the case had opened, I knew of no incident, so went to look at it:





Obviously, the battery cell grossly distorted, likely due to heat. The Literati® was not warm when Rose found it, but we did not know how much prior the event had occurred. Several parts of this scared me:

- This must have overheated during charging, it was on a simple 117V charger (a 500 mA wall wart). It had been on the kitchen counter, away from other items or papers.
- How hot did it get? Could it have caused a fire in our home?
- Why did it overheat when charging with the small milliamp charger supplied? The lithium battery appears to have been somewhat contained by the design to disallow the battery from swelling or distorting, but this did not appear to be enough.

And the real question is with the batteries from an e-reader obviously distorting and overheating at normal charging, what should we watch for as we charge (or rapid discharge) lithium cells in an electric vehicle. There was no evidence of any failure of the 117V charger. Both the wall part and the “power cord” look perfectly like new.

As we consider batteries, some very high performance cars come with lithium batteries. I am aware that the McLaren MP4-12C and several Porsche models (the ones intended as track-day cars) use 12V lithium batteries as their primary battery. Here is an official Porsche picture of the lithium battery used in their 911 GT3 and 911 GT2 RS and Boxster Spyder track oriented models:





The Porsche battery has a suggested list price of \$1,700 and weighs 13 lbs, where the original was over 35 lbs. Porsche points out it is:

- Lower height by approx. 70 mm (over 35%)
- Almost 100% usable battery capacity
- Uniformly high power output, regardless of the charge state
- Improved charge take-up and a greater number of charge/discharge cycles
- Lower self-discharge and longer shelf-life

Porsche also noted, “Due to its design, the power output of the lightweight battery is limited below 0°C.” The housing, shape, fastening system and electrical connectors are all identical enough to the sealed lead acid battery used in lesser Porsche models, to allow a quick swap in before race or track events. The Porsche battery has a nominal size of 18 Ah. Voltphreaks and Braille also offer 12V replacement batteries for weight saving and racing use.

Bruce Jones opened the meeting at 7:03 and had newcomers introduce themselves.  
Old business – none.

Elections for officers were then held with the following results. All returning officers except for the new secretary Dio Vesselinov.

President:	Bruce Jones
Vice President:	Rich Hirschberg
Treasurer:	Todd Dore
Secretary:	Dio Vesslinov
Directors:	Rich Carroll, Ted Lowe, John Emde

Todd Dore provided a treasurer's report and the group is in positive shape.

Rich Hirschberg described upcoming expos and conferences.

The 2012 Green Fleet Conference is coming up soon, on Oct. 2-3 in Schaumburg, Ill. The Fall Classic Elburn Lions All Wheel Show on Sunday October 7th at 500 Filmore Avenue in Elburn

National Plug-in Day Sunday September 23rd !

Dana Moreau the co-producer for the movie "Revenge of the Electric Car" described the National Plug-in Day event that we are hosting on Sunday Sept. 23rd at Community Christian Church. We have vendors like Nissan, Mitsubishi, Fisker and over a dozen electric vehicles including Tesla, Volt, Leaf and conversion vehicles from group members.

Media and newspaper coverage should be on site, so everyone bring their electric vehicles on Sunday.

Charging Station.

Next a discussion was held regarding the installation a charging station at the church. There are incentive programs from the state of Illinois and also from ChargePoint (Coulomb) providing free equipment. The next step, that has to happen quickly is for Bruce and Rich Carroll to work on a requirements document and get quotes for electrical work, trenching and installation.

The FVEAA has money in two funds from the EAA that Membership and special funds could be spend for the public such as charging stations

Grant Klurfurtos the local Fisker Karma dealer located in Schaumburg brought his car and discussed the car. They have 9 vehicles and he has driven 6000 miles. The Fisker is a range extended vehicle like the Chevy Volt. It has 403 horsepower, 2 traction motors, 5300 lbs curb weight.

At the break several cars were on display including the Fisker Karma, and Chris Young S-10 conversion. After the break, about 20 minutes of the movie "Revenge of the Electric Car" was played and then final discussions on the charging station location at the church.

The meeting was adjourned at 9:15 p.m.



**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 your check payable to "FVEAA" and postal mail it with this membership application form to:  
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**PO Box 214**  
**Wheaton, IL 60187-0214**  
 Attn: Membership

FVEAA Business Members

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### Plug-In Vehicle Solutions, Inc.

Mike Piscitelli  
1104 Coventry Circle  
Glendale Heights, IL 60139  
Cell: 620-248-8810  
Email: [mpiscitelli@getplugging.com](mailto:mpiscitelli@getplugging.com)  
Web: [www.getplugging.com](http://www.getplugging.com)

### For Sell

I am selling my eRX-7. It is a fun peppy convertible and has been a great daily drive for more than two summers. The car has been stored in doors for much of its life and is very solid. I hope to be able to sell it to another club member. A few of the specs are: Advanced DC 4001 motor, New Max-Forcer 1000 Amp. controller, Zivan k2 charger, 144 Volts (12) Trojan T-1275, 30-40 mile range with new batteries. Please contact Nathan Stowe for more details . (773) 456-6322

