

**Fox Valley Electric Auto Association
PO Box 214
Wheaton, IL 60187-0214**

Return Service Requested



September 2010 FVEAA Newsletter

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

Next Meeting

Friday, September 15th, 2010 - 7:00PM (doors open at 6:30PM) at Packer Engineering, 1976 N Washington St, Naperville, IL 60563

Packer Engineering is the on East side of Washington St, just North of the I-88 Tollway (North of Diehl, South of Warrenville Rd). Turn off of Washington onto Bighorn at the Packer Engineering sign, then take the first right into Packer Engineering and then an immediate left. Park in the lot between the buildings. 1976 is the new building up the hill. Enter the building in the middle of the North side.

Agenda

- Call To Order
- Old Business
- Committee Reports
- New Business
- Intermission: Refreshments, Networking and EV Viewing.
- Program: Annual Meeting of the Fox Valley Electric Auto Association
- Election of Officers.

President's Words

Rich Carroll

As noted in the last Newsletter, things are evolving quickly with the J1772 compliant chargers. We know that these exist in the Millenium Park garage, thanks to Carbon Day and Carbon Day Automotive. Todd Dore has charged at these charge points, and seen them, but does not yet have such an inlet on his electric Bug. I suspect he will very soon. I did get a quick message from Todd, saying he had charged with one of the new Coulomb chargers, and was surprised when the charger sent him a text message telling him it was fully charged. The charge point detects the reduction in amperage as his charger changes from it's constant current mode to the constant voltage mode, which signals that the charger is near to the end of it's charge. Software setup with Coulomb and their ChargePoint network allow for the charger to text message the car operator when charging is near completion.

Manzanita Micro is almost set with a kit to allow vehicles which use their chargers to add on (or change to) a J1772 connector. A simplified description of the J1772 connector logic has been posted to the EVDL (electric vehicle discussion list) and a copy exists in the EVDL files for reference. See:

<http://www.evdl.org/docs/j1772description.pdf>

Of note, Yazaki was the first manufacturer to announce the availability of a connector, initially planning to use the specification of the J1772 up to 32A. The Yazaki plug reportedly failed thermal stability at 32A, (by a slim margin) and has been downrated to 30A. I believe Yazaki is reengineering the connector. Other makers seem to have had no problem certifying for 32A, so this is not an issue.

For those who are electronically competent with the logic circuits shown above, J1772 inlets are available for as little as \$125 (<http://currentevtech.com/Cables-and-Connectors/SAE-J1772-Connector/SAE-J1772-Socket-p164.html>). This will allow you to purchase the inlet only, and you will be responsible for adding the wiring to satisfy the J1772 standard. I may have one of these inlets at the September meeting.

Please make an extra effort to attend this meeting. Several important issues will be discussed during the evening meeting, and your participation is vital. I think it is quite important for everyone to grasp some of the challenges to the FVEAA before the voting for new officers.

Welcome to the new Newsletter Editor

Rich Carroll

Kathy Suchy is a new member, and our new Newsletter editor. She has considerable experience with computers and digital publishing, and we warmly welcome her talents to the FVEAA. Kathy can be reached by email at: digitalkathy@yahoo.com

We owe a big thanks to Nathan Stowe, our past Newsletter editor, who was a very effective editor, who was easy to work with, and never missed a deadline.

From the old Newsletter Editor

Nathan Stowe

I will be stepping down as the newsletter editor. It has been a good experience, but after a year it is time to pass the torch. The responsibilities consist of: reminding people of impending dead lines, consolidating the articles in Google docs, proofreading, printing/ mailing, and finally uploading to our server.

Each September, we have elections for officers to lead the club for another year. We'll start with nominations from the floor, and proceed to elections. The bylaws are a little vague on the procedure, but to ensure an active board, I will not accept nominations of anyone who cannot immediately tell me that they would serve if elected. Thus, if you want to nominate someone who will not be there, make sure that they would serve if elected. I would suggest letting me know about such nominations in advance so I can verify the desire to serve. Here are the first three paragraphs of the FVEAA bylaws:

ARTICLE I: OFFICERS AND BOARD OF DIRECTORS

A. OFFICERS. *There shall be four officers of the Corporation; President, Vice President, Secretary, and Treasurer. Their duties shall be those normally performed by those officers and outlined in these By-Laws.*

B. BOARD OF DIRECTORS. *The four officers of the Corporation and three additional elected Directors shall comprise the Board of Directors. The President of the Corporation shall also be the chairman of the Board. The Board of Directors shall meet as necessary to transact any and all business that comes before it as set forth by these By-Laws and amendments thereto.*

C. ELECTION PROCESS. *Nominations for Officers and Directors commence at the August meeting with closing the day of the September meeting. The four officers and additional board member shall be duly elected by a majority vote of the members present at the annual meeting each September and shall serve a term of one year from the date of election or until their successors are elected.*

Chicago Auto Show (February 2011) discusses an EV drive

For the past several years, Jeep (Chrysler) has had a 'test track' on an indoor course at the Chicago Auto Show. This nicely showcased the climbing, braking, and comfort of the Jeeps. It also allowed passengers to see the incredible terrain that the Jeep vehicle could easily drive through or over.

One of the plans being discussed is to replace the Jeep test track with an EV Test Track, allowing members of the general public to ride in EV's or PHEV's through a prescribed course. Initial thinking might follow the previous formula of allowing multiple passengers with a professional driver. The Chicago Auto Show is fully embracing EV's, and is aware that this will quickly become a significant portion of the market.

Where the Jeep Test Track focused on the unique off-road capabilities of the brand, this would likely focus on several brands, and show the comfort, quiet and similarity to the previous gasoline powered cars. It would show how easy it would be to plug in to charge, and have several displays of various charging station configurations. Graphics could focus on how long it might take to recharge a car after a 20 mile drive, on the different charge rates from different charging stations (117V vs 240V, 9A vs. 32A, possibly direct DC, etc.) It would focus on how easily a driver could arrange to charge their car if they arrived at a charging station, and would have alternative methods of finding new charging stations.

I discussed this with Dave Sloan, who is President of the Chicago Automobile Trade

Association, the group behind the Chicago Auto Show. Dave is excited to be able to use the previous area to showcase the features of EV's and to make the general public less apprehensive about this new, more eco-friendly alternative to gasoline.

Financial Assistance Committee

George Vergara

The committee is working make contact with the Schools around Naperville and Oak Park. There are a few obstacles, but mainly all the plan needs is to be implemented.

Future EVents and Parades

Rich Hirschberg

The National AFV Day Odyssey - Slated for Saturday, October 16th at Judson University in Elgin, IL, plans are still being hammered out. If you'd like to assist Rich Hirschberg and Rich Carroll in the planning of this awesome event, please contact them through FVEAA club channels. www.NationalAFVDayOdyssey.org

Meeting Minutes - August 2010

Bruce Jones

Rich Carroll started the meeting at 7:00 p.m.
Everyone introduced themselves and mentioned their particular interest in electric vehicles.

Rich described his involvement in the upcoming micro car show in Crystal Lake at the University Center August 21 - 23rd, and his appearance on WLS 890 radio Aug 21st. He encouraged new visitors to join the FVEAA at a terrific low rate, and mentioned Bruce Lanzerotti was ill, hoping we could send him an electronic get-well message wishing him a speedy recovery. Bruce, hope you are doing okay!

CEVC UPDATE

The Chicago Electric Vehicle Consortium, as Rich Carroll described, is composed of 30 or so individuals from various electric car backgrounds, and car manufacturers. These members are charged with the build-out of an initial \$15M grant of which \$1.1M was for the initial rollout and \$14m for the follow up rollout. The money was matched and the total value of the initial phase of the project has actually grown to \$2M and will include installation of car charging stations in six of Chicago's surrounding collar counties. The RFP closed August 19th and the first \$2M is expected to be released by Sept 1st. The RFP for level 2 may also include rapid DC charging and some vendors may include Level 1 charging, though it is not required. At least one solar canopy is mandatory, but some proposals included several canopies. If you have any questions on the CEVC please talk with Rich Carroll.

SURVEY

Todd Martin was approached by Johnson Controls who gave to Todd a survey for electric vehicle owners and will distribute electronically. The FVEAA board has previously discussed the feasibility of receiving a stipend for providing such information.

COMMITTEE REPORTS

OUTREACH by Rich Hirschberg

Rich described several upcoming events including the alternative fuel vehicle odyssey. Rich wants alternative fuel vehicles at this event so send him your contacts and ideas. And if you want him to show the video "Who killed the electric car" for your group, he is still available.

OLD BUSINESS - None

NEW BUSINESS -

FEE

Todd Martin made a motion for the club to pay the entrance fee at the Midwest car expo. The motion was seconded and passed.

MINUTES

Rich Hirschberg made a motion that the meeting minutes should be approved. It was seconded and passed

NEW OFFICER ELECTIONS COMING

Elections will be held at the upcoming September meeting and we will need nomination at the start of the meeting. Rich Carroll also mentioned we need someone to volunteer to edit the newsletter each month. THANKS to new member Kathy Suchy who volunteered to take on the newsletter editor position. Way to go Kathy!

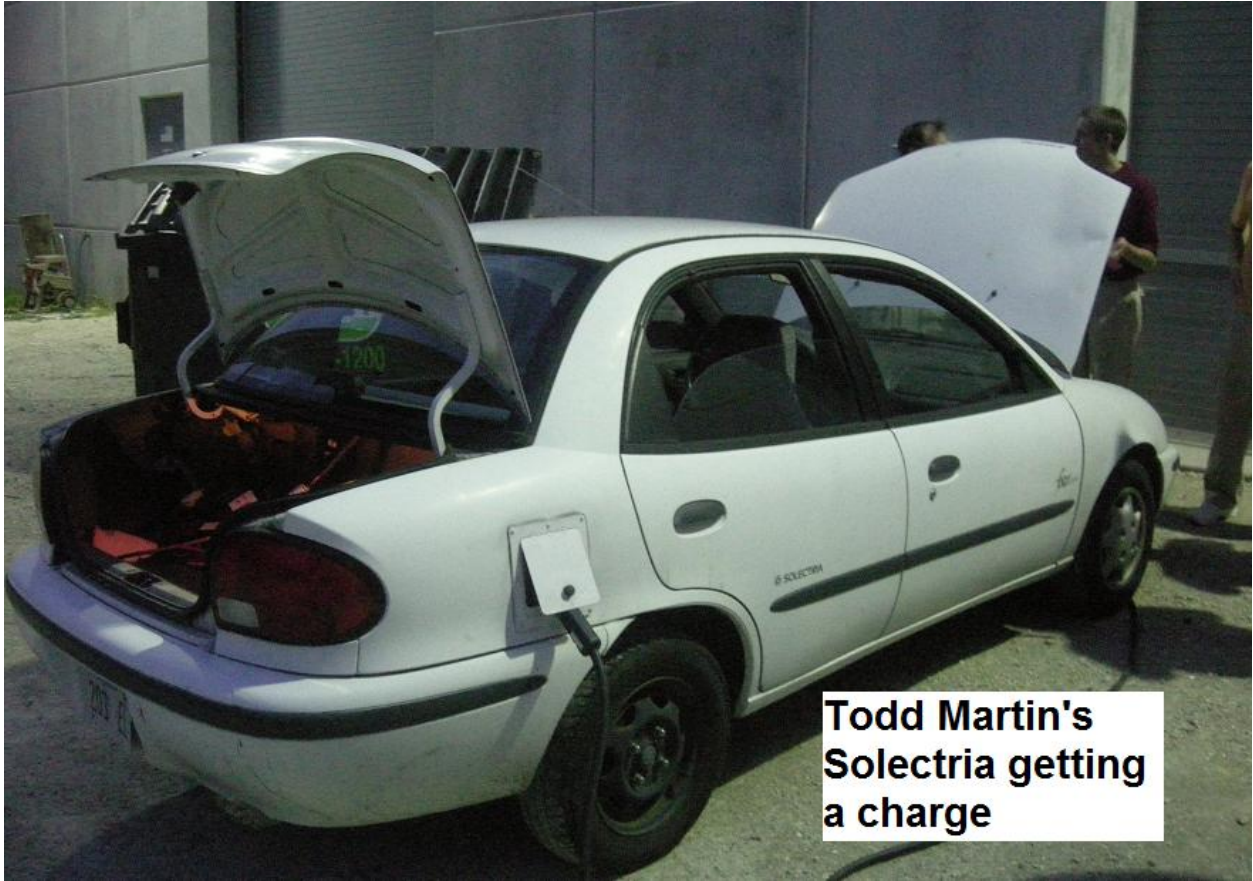
BREAK

Howard Hansen ran the raffle, collecting \$23 and several prizes were handed out including shirts from Warp motors and parts for an electric kilowatt hour counter

Three vehicles were on display at the break.

1. A Solectria brought by Todd Martin
2. Ted Lowe's S-10 truck
3. Electric bicycle from Dennis Doney

We re-convened at 8:20



**Todd Martin's
Solectria getting
a charge**



Ted Lowe explaining the details of battery power





Rich Hirschberg enjoying an electric bike ride

LOGGER UPDATE

Ted showed us his updated charge logger and has spent time on a controller logger, which reads information from the controller and displays it on the dash. It logs data to a micro SD card, with real time clock chip, and battery backup which could run by itself until 2111. Impressive. I wish my watch could do that. Ted posted v1.1 of his design on the forums

FEATURED SPEAKER

Guest Bob Guimarin, President and CEO of Electric Vehicle Infrastructure Network, Inc. (EVIN)

presented on a variety of subjects beginning with the history of electric cars, and Chicago's part in the electric car movement in the 1900s. It's amazing that electric cars back then actually traveled 40-70 miles on the original battery from Ford. Electric cars were popular with women who liked its uncomplicated operation and were able to drive 14 mph and go 100 miles. He covered Battery exchange vehicle concept, lithium coated nanotube batteries, super capacitors and lithium-sulfur, sodium-sulfur batteries, and battery exchange vehicles or BEVs. He also shared his thoughts on electric charging, battery costs, driving and culture

for EV's. To finish his presentation, Bob shared his vision of what the EV world could look like 20 years from now. Very thought provoking and insightful Bob, we thank you for your presentation!

The meeting ended around 9:30 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)	
Individual	\$15	No Newsletter	\$0
Family	\$20	Electronic Only	\$0
Business	\$100	Postal Mailed	\$15
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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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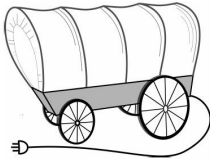
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ComEd is proud to sponsor FVEAA.



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