



December 2015 FVEAA Newsletter

Fox Valley Electric Auto Association

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

Next Meeting (NOTE: December 11, 2015 meeting is ONE WEEK EARLIER at Argonne!)

Friday December 11, 2015 1:00 p.m. to 4:00 p.m. <<NOTE TIME and DATE

Special Tour of

Argonne National Laboratory

9700 S. Cass Avenue, Lemont IL Northgate entrance

(Careful! Google maps will send you to the wrong entrance ... go the the Northgate entrance)

See Forums for Details and Sign up before noon Dec. 4th

Link to Argonne information: [Argonne](#)

http://www.fveaa.org/fb/Argonne_information_466.pdf

Agenda - ARGONNE TOUR DEC. 11, 2015

- 12:30 p.m. Meet at Argonne Information Center located off Northgate Road (from I-55 off S. Cass Ave.)
- 1:00 Tour escort Dr. Dave McClenahan
 - The Advanced Photon Source (APS)
 - Transportation Research <Electric Vehicle research
 - The Nuclear Energy Exhibit
- 4:00 End
- (Optional Informal dinner afterwards for those who can attend... White Fence Farm Restaurant 1376 Joliet Rd, Romeoville, IL 60446, 630-739-1720 <http://whitefencefarm-il.com/>)

President's Words

Bruce Jones

Hi EVeryone,

Despite the rough weather last month, we had a very good turnout to hear Ted Lowe's update on the Dodge Dakota conversion, batteries, calculations, and charging expertise. Looking forward to seeing the truck soon! . And we sure appreciate Bil Becker's artful presentation on renewable energy EV charging systems which was visually and intellectually appealing. Thanks Bil.

DECEMBER - DIFFERENT TIME DATE AND LOCATION!!

Sign up by Dec. 4th through the forums to attend the **Argonne National Laboratory tour on Friday Dec.11th from 1:00 to 4:00 p.m..** This will be a terrific tour, including the Transportation building so sign up soon, before Dec. 4.

After the tour I thought it might be nice to have something to eat, so anyone interested can head up to White

Fence Farm Restaurant 1376 Joliet Rd, Romeoville, IL 60446. (630) 739-1720. This will be an informal dinner and completely optional for those who can make it. Everyone pays for their own dinner..

<http://whitefencefarm-il.com/>

See you Friday Dec.11th

Sincerely,
Bruce

This Month's Presentations

take

- Dave McClenahan our escort will guide us on a tour of Argonne National Laboratory 1:00 p.m.- 4:00 p.m.

Photos from November 20 Meeting

Bruce Jones



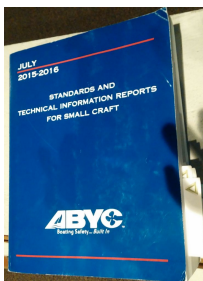
Jim Schmidt laments the state of nautical electric boating standards



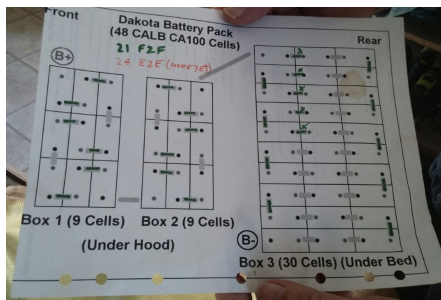
Ted Lowe on batteries, charging and the Dakota project, shows a system to bottom balance new batteries built by George Hiller



George Gladic on an electric Hoverboard



Only 8 pages out of hundreds on marine electrical standards - per Jim



Ted's Dakota Battery Pack wiring



George's Hoverboard



Bill Becker presents the Art of Renewable Energy Electric Vehicle Charging Systems

FVEAA Facebook Page - Like Us!

Grant Gerke

<https://www.facebook.com/FoxValleyElectricAutoAssociation>

FVEAA Facebook Group - Join Us!

Ted Lowe

In October 2015, i created a Facebook group for the FVEAA and invited all the past and current FVEAA members i know that are on Facebook. There are 47 members so far. If you're on Facebook but not in the group, yet please join us! If you're not on Facebook yet, please consider joining so you can join our group there! This group will help to replace our forums because it is much easier to use, read, post pictures and videos and get notifications. Please let me know if you have any questions/comments/suggestions. Hope to see you there!

<https://www.facebook.com/groups/889497691136309/>

Rich's Ramblings

Rich Carroll

All the news that's fit to print, . . . and then some. I receive a good amount of 'industry news' each month, which is a great source for column starters. This month seemed fairly wacky, though. Let's classify some of the more unusual:

Big Surprise Department

CEO and founder of EverCharge, a power management system provider, said, "Every day we hear from more and more car owners who need an easy way to get power to parking spots in an economical way." (uh, duh??)

ChargePoint CEO Pasquale Romano, said, ". . . it's possible for even more businesses to offer EV charging to their employees and customers." (Wow, what a revelation!)

The big players are also susceptible to making grandiose statements that would have gone without saying. Elon Musk said, "Electric Cars . . . are really the key to a sustainable future." Elon also said, "we're super supportive of anyone who wants to cooperate in sharing the Supercharger network."

"Smart grids and electric vehicles are rapidly evolving," per Maroš Šefčovič, VP of the European Commission and a Slovak diplomat. He also continued by stating that harmonized standards between countries would minimize trade barriers. (And someone paid good money for this recommendation)

Unusual references in statements

Nissan and Ecotricity, a charging network, have demanded that the UK government issue official road signage regulations for EV charging points. Their press release notes that there are 9,000 charging points in the UK with no commonality to signage. They noted that there are official signs for "Migratory Toad Crossings" of which 140 signs are maintained. (Likely true, but somewhere I missed the connection)

New markets in "developing areas"

Anders Gadsbøll, Managing Director of Renault Norway, announced seven new 22kW chargers on the tourist route between Finland and Norway, and into Lapland. Anders said, "We expect that many of our customers want to drive EVs from Norway to Finland." Lapland isn't that big, but Renault Norway obviously has big plans. I do hope their plans exceed the wild production numbers announced in Russia.

"Say it ain't so, Joe . . ."

Get ready for two announcements by Dmitry Medvedev, who is the Prime Minister of Russia. Prime Minister is a daunting position in today's world, and Medvedev first decreed that all gas stations in Russia must be equipped with public EV chargers by November 2016. (I personally don't believe that is anywhere near a rational goal, but perhaps he will ally with 360Green, who also is no newcomer to grandiose plans.)

Medvedev also discussed EV sales with the Moscow Times, and he reported many EVs being imported, noting Tesla, BMW, Mitsubishi, and Nissan. But the most interesting number he disclosed was about the EL Lada, built by Russian automaker AutoVAZ. Lada has been around as an auto manufacturer for about 50 years, and have exported a large number of Ladas to developing countries. Their early early cars were mostly made with older Fiat designs and dies, and unfortunately, the dies were mostly worn out by the time they reached Russia. But they did produce hundreds of thousands of cars, and quality has gone up in the recent years. (Actually quality had nowhere else to go, but up)

They have apparently been producing the EL Lada since 2011, and total production (for 4-½ years so far) has been less than 50 cars.



Medvedev announced that sales for the last six months have declined by about 25%. Doing some quick math, they likely produced about 15-20 cars a year, and for the six month sales to have dropped by 25%, can only mean one thing. If you sell 8 cars in six months, and the sales go down by two cars to selling only 6 cars in six months, that is a 25% reduction. So losing two sales in a six month period has caused a 25% decline in sales. (That 25% number doesn't lie, but it sure doesn't tell any useful truths.)

The sales numbers for Russian made EV's (they only make the EL Lada) are so dismal, that I wondered if the hobbyists of the FVEAA had made more EV's than were produced in all of Russia in some periods. Maybe our friend George Hamstra will find that Netgain Motors has outsold all Russian EV makers for the last four years.

Membership Update

Ted Lowe

We currently have **90** paid-up members, **9 down** from last month. We live in a large metro area with 8 million people and EVs are the latest buzz so we should be able to grow the FVEAA! **Please invite your friends, neighbors, family, colleagues,** etc. to FVEAA meetings and Events. Volunteer to attend Events on behalf of the FVEAA (with or without an EV)! Your ideas on how to help grow the FVEAA are welcomed at anytime, thanks! Howard Hansen had a **great idea**... giving an FVEAA membership as a gift!



FVEAA Membership Report

as of 2015-12-03 04:58:07

Count of Members by Type

Membership Type	Count	Paid Up
BusinessPremier	1	1
BusinessStd	4	3
Family	10	6
Individual	85	77
LifetimeInd	3	3
Totals	103	90

Other Statistics

Statistic	Value
% Paid Up	87.4%
Avg. Paid Up Days	198.7 days
% With Email	95.1%

These members are past due - please renew ASAP folks, thanks!

- 1 2015-09-24 George Vergara
- 2 2015-11-16 Matt Remec
- 3 2015-11-16 Brett Speiser
- 4 2015-11-19 BusinessStd Bob Baker (BusinessStd)
- 5 2015-11-19 Grant Gerke
- 6 2015-11-21 Dave Alder
- 7 2015-11-22 Rob Dixon
- 8 2015-11-28 Chuck Carrington
- 9 2015-11-29 George Gladic
- 10 2015-12-01 Rick Korthauer
- 11 2015-12-01 Jim Schmidt
- 12 2015-12-02 Henry Shaw

Meeting Minutes - October

Jeff Miller for Mike Willuweit

November 20, 2015 Meeting Notes

7:00 -7:15 Welcomes & Introductions

Everyone in the audience introduced themselves

Jim Schmidt spoke about the lack of nautical/ marine electrical standards.

Bruce was happy the rest of the committee made it when Rich, Ted and Jeff all came in.

The treasurer reported that we have money.

Rich spoke about different activities in Outreach

Chris Sharp sent Rich Hirschberg information on the :St Charles electric rail facility, a Father's day event and on Union Electric trains

The December meeting is at Argonne National Laboratory on Friday Dec 11, from 1:00 - 4:00 p.m.

Ted Lowe presented on the Dodge Dakota workday, and Jeff Miller designed the Kevlar battery boxes

BREAK -George Gladic demonstrated the electric Hoverboard

Netgain (Thanks to George Hamstra!) donated the door prize duffel bag which was won by John Emde.

8:35-9:25 Bill Becker presented on the Art of Renewable Energy Electric Vehicle Charging systems

9:30 Meeting was adjourned

Membership Form

Ted Lowe

FVEAA Membership Application Form - Version 2014-01-01

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 ? _____

Membership Types and Annual Dues (please circle one):

Individual	\$20
Business	\$100
Premier Business	\$250
Charter Business	\$500

Newsletter Delivery Type (please circle one): No Newsletter Electronic

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



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It is great having near zero, or sometimes even negative, rates to fill up my car for nearly free or even better!

—Daniel H., Hourly Pricing participant since 2015

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Work: 847-842-9543
Email: bobshillviewauto@gmail.com
Web: www.bobshillviewauto.com



Innova UEV

Roman Kuropas

16w235 83rd St Suite A

Burr Ridge, IL 60527

Phone: 630-568-5609

Email: roman@innovauev.com

Web: www.innovauev.com



**BATTERY
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Charlie Echert

2321 Ogden Ave

Downers Grove, IL 60515

Phone: 630-324-6041

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