

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

Meeting: Friday, December 21st

Doors open at 6:30PM *** NOTE TIME CHANGE ***

Meeting starts at 7:00PM * NOTE TIME CHANGE *****

Packer Engineering
1976 N Washington St, Naperville, IL 60563

Directions: 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.

December 2007 Newsletter



Fox Valley Electric Auto Association

A Not-For-Profit Illinois corporation and the Chicago area chapter of the Electric Auto Association

Meeting Agenda

Call to Order and Introductions
Approval of Minutes
Treasurer's Report

Old Business

- Welcome New Business Member
- Recruiting Business Members
- Committee Announcements and Updates

New Business

- Anyone have anything ?

Intermission - EV Viewing, Networking, Refreshments, Raffle Tickets!

Raffle Winners
Show/Tell/Ask - Anyone can show/tell/ask something EV-related for 2 minutes.

Program

BYU's Super-Capacitor Powered EV1 Race Car and more!

Tom Erekson, Dean of the College of Business & Technology at Western Illinois University, will talk about his experiences with the EV1 race car while he was at BYU and other interesting EV experiences. Tom is interested in getting some similar EV projects going in IL too. His contact info is: 309-298-2442, TL-Erekson@wiu.edu

Reminder: 7pm Meeting Start Time!

Ted Lowe

REMINDER: Our meetings now start at 7pm (instead of 7:30pm). So, doors open at 6:30pm, meeting starts at 7:00pm!

President's Words - On the Bali Balabaloo and 2007 Energy Bill

Ted Lowe



You may have heard that the global warming talks in Bali were stalled until the USA miraculously changed their stance, namely, to cooperate in the effort going forward. I'd like to be more optimistic about this 'change in direction', but I'm being a bit cautious with my enthusiasm on this one. The USA delegation withheld all cooperation until the very end of the conference, and then like a drama on TV announced their new position. I would love to be a fly on the wall of the various offices of our "leaders" when this change was discussed :-). Is this an unpopular president trying to save his reputation? Or was he visited by the Ghost of Christmas Future? I genuinely hope that our leaders will continue their commitment to change in the area of clean and efficient energy use. Time will tell!

In other possibly encouraging news, the US Congress passed the 2007 energy bill today and sends it on to be signed by President Bush tomorrow. The final version of the '**Energy Independence and Security Act of 2007**' has the first increase in the CAFE (Corporate Average Fuel Economy) standards in 32 years, namely, to 35 MPG by 2020. The big tax breaks for the oil, coal and nuclear energy industries remain intact, and the Renewable Energy Standard (RES) which requires utilities to provide increasing amounts of renewable energy was stripped. I suppose I should be happy that something has happened, and expect gradual changes in the US policies, but I'm struggling to do that. Does this law really live up to its title? How much more energy independent and secure is the USA because of this new law? How much time do we really have to make the changes necessary to avoid becoming a 3rd world country?

Ok, I'm not a big fan of our government right now, but I AM a big fan of various companies, universities and individuals that are working feverishly to bring clean and efficient energy technology to the market. I think the profit-motive and opportunities for fame (and concern for humanity and our home the Earth) will bring way more progress than our government ever could. Look at the nano-cosmos of ingenuity and progressive thinking that is the FVEAA. Our membership is diverse and represents a wide range of professions and experiences. Attorneys, mechanics, professors and teachers, technicians, doctors, accountants, scientists and engineers, students, CEOs and custodians alike are united in our mission, to spur progress in clean and efficient energy use and to Drive Electric! Happy Solstice Everyone!

Minutes from November 16, 2007 FVEAA Meeting

Ken Simmermon

Editor's Note: I like to express my extreme gratitude to Ken Simmermon for taking our minutes in Rich Carroll's absence (despite it not being your favorite activity:-)!

President Ted Lowe called the meeting to order at 7:09pm. Ted introduced himself and the FVEAA leadership and then asked for introductions from people that had come more than 50 miles to attend the meeting. Jack Miller has built a 3-wheeler. Larry Brady came in from Galesburg, 167 miles, with his homebrew e-motorcycle. The Wilks brothers drove from Chesapeake OH, 450 miles with their patent-pending 'Tow To Recharge' electric generator trailer. Ted handed out AFV booklets and some spare newsletters to a lot of first time guests. Ted mentioned some current events: fellow EAAer and EV Guru, John Wayland was featured on the front page of the WSJ! Ted mentioned he just survived his 50th revolution of the sun. There will be an X-Prize like competition next year for FVEAAers. A free coupon for Jiffy Lube was offered, no takers. Ted mentioned a great hypermiler website www.gassavers.org which

we share many values with. The FVEAA signed up 3 business members in the first month of offering these types of memberships (as announced in the Nov. 2007 newsletter) and displayed on our website's Sponsors page: www.fveaa.org/sponsors. Ted reminded members to ramp up their efforts at recruiting new business members because it helps both the FVEAA and the business members to grow.

Committee announcements: Todd Martin, Chair of the Charging Infrastructure Committee gave an update. The Beverly Unitarian on the south side of Chicago will be installing their Avcon very soon. They have requested we provide the steel pole that it is mounted on. Wayne McGuire offered to help Todd find such an item. Rich Hirschberg, Chair of the Outreach Committee spoke on the Judson University AFV show he organized. The student turnout was light, but there were excellent connections and discussions amongst the presenters and vendors. Rich mentioned he is setting up a showing of the WKtEC film in April 2008 at the Schaumburg library.

Ted surprised John Emde with the Lifetime Achievement award for all that he has done for the FVEAA since 1979! John also mentioned about a great quality 115V AC charging inlet (shore plug) available at Bass Pro Shops for only \$15.

We broke for intermission at 8:02pm. Joe Sykes was our raffle master and raised \$66 for the cause! Marty won the Home Power magazine, Sara won Solar Today, Rich Rezny won the battery watering tool graciously donated by Jim Dawson, Larry Brady won the bag generously donated by NetGain Technologies, LLC (www.go-ev.com).

Programs included an interesting talk by Larry Brady who recently built a homebrew electric motorcycle and Mike Damiano, VP Engineering, Power Designers, LLC who gave excellent details about their PowerCheq modules. Mike generously donated 3 PowerCheq modules to the FVEAA (www.powerdesigners.com).

FVEAA Welcomes First Premier Business Member!

Ted Lowe

In our second month of offering business memberships, we are happy to welcome our first Premier Business Member, Eco-conversions!



eco-conversions

Eco-conversions

Kenneth Adomaitis
6140 Riverbend Dr
Lisle, IL 60532
Phone: 312-924-3442
Email: info@eco-conversions.com
Web: www.eco-conversions.com

Eco-conversions specializes in converting oil dependent vehicles to electric. Focusing specifically on luxury vehicles, our goal is to shatter the image of the traditional electric car.

Even though all high-end, luxury and luxury sports car conversions are acceptable, our benchmark vehicle is the BMW 8-Series. It is the perfect marriage of style, luxury and performance. At eco-conversions we work hard to show that it is possible to create another choice for the environmentally conscience consumer. By using environmentally friendly nickel-zinc batteries, we provide enough power to maintain both the feel and performance of a luxury sports car. Each charge provides 100+ miles of drive time. No gas required. Zero emissions. The end result is a luxury vehicle that you can feel good about driving.

Eco-conversions has partnered with eVionyx, an American company that has developed nickel-zinc rechargeable batteries which can handle over 2000 cycles at 90% DoD. The eVionyx nickel-zinc battery has superior performance as compared to other battery technologies available today. The nickel-zinc cells are superior to lead acid in total power and energy, specific power and energy, and recharge time.

It is less expensive and also performs better than NiMH cells. NiZn batteries are particularly suited to high-power applications, such as use in electric vehicles and light transportation.

Support Our Sponsors That Support Us

Ted Lowe

Visit our Sponsors page to view their information: <http://www.fveaa.org/sponsors>

Pay their support forward by visiting their websites and seeing what services and products they offer!

Everyone please ramp up your recruiting efforts for new business memberships and if your business is relevant to FVEAA's mission, we'd gratefully appreciate your support as well! See more information at: <http://www.fveaa.org/join>

Ed Harris Donating Honda Generator to the FVEAA

Ted Lowe

Ed Harris is donating a high-quality used Honda generator to the FVEAA. The generator is about 10 years old but still works with a simple modification to work around a broken part. He just replaced this generator with a new similar model that costs over \$1,500. He thinks the generator is worth \$100-200. George Gladic will be bringing it to the meeting on Friday for members to inspect. I suggest we hold an auction with the generator going to the highest bidder and their winning bid goes to the FVEAA.

FVEAA's Charter Business Members

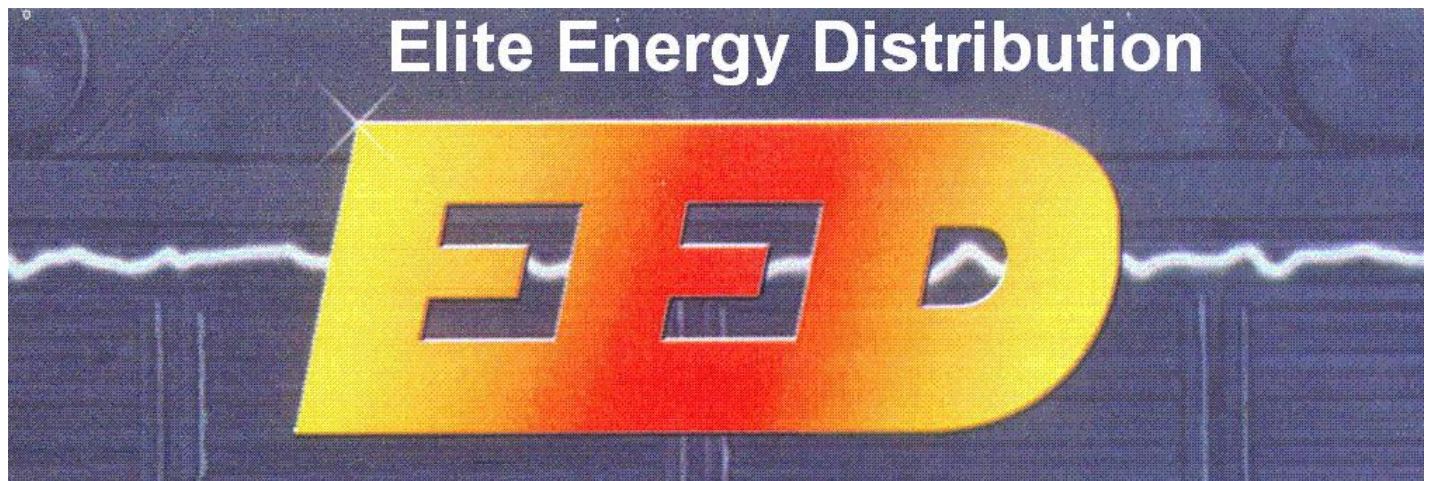
Ted Lowe

Elite Energy Distribution

Dave Strange, President Of Operations
5200 N 124th St
Milwaukee, WI 53225
Phone: 866-461-8216
Fax: 414-461-4296
Email: dlstrange@milwpc.com
Web: www.elite-energies.com

We are a Midwestern-based battery company leading the industry in...automotive, burglar, camcorder, cellular, computer, commercial, communications, cordless packs, forklift, industrial, marine, medical instrumentation, motorcycle, motive power, specialty, solar systems and standby system batteries. We have battery experts at your disposal so please don't hesitate to call toll-free (1-866-461-8216).

We can take for recycling any and all rechargeable batteries (NiCd, NiMH, and LION). During a time when metal prices are sky-rocketing, our prices stay competitive with extended warranties.



Newsletter Publishing Schedule Moving Up

Ted Lowe

The schedule changes I mentioned in last month's newsletters didn't happen this month. We will start this new schedule starting with the January 2008 issues.

Our Bylaws require the newsletter be distributed 1 week before the monthly meeting. This will give people more time to read the newsletter and get ready for the meeting. So the cutoff for newsletter content is now Sunday Midnight before the 2nd Friday of each month. You'll receive a reminder email on [members] summarizing the relevant newsletter dates:

Sunday Midnight - Content Submission Deadline, 2nd Friday 7pm - Newsletter Distribution Deadline, 3rd Friday 7pm - Regular Meeting

Porsche 944 Club Car Project Almost Ready To Roll *Ted Lowe*

We are a scant 2 weeks or so away from getting our first EV grins in this sweet ride! The big tasks remaining include wiring up the 12V system and installing the new prototype liquid heater system. Attendance at work sessions has been up and down, with a great core group of FVEAAs supporting our progress. I got dibs on the 3rd drive! Wayne has 2nd and Eric numero uno (of course). The rest of the drivers can duke it out for 4th, 5th, etc. :-)

We will soon be filing the application for the \$4,000 EV Conversion rebate within the next month (we have until Jan. 31st since we're completing the project in December).

Come on out and see the project before it's too late! Many good times are happening and much is being learned!

Ready-to-Drive Partial PHEV Prius For Sale Locally *Ted Lowe*

FVEAAer Ed Harris is selling his 2004 Prius. Here are some of the salient details:

- 12K Miles
- Asking \$17,500
- Light Blue
- Rear View Camera Accessory
- Has early model CanView under front seat and uses built-in Prius display
- Connected to CAN bus
- Has original Toyota EV-Only button professionally installed

Contact Ed Harris directly for more details at 847-675-0701 (evenings).

FVEAA's Business Members *Ted Lowe*

Pioneer Conversions, L.L.C.



Your local **WarP** motor dealer
Custom Electric Vehicle Conversions

12305 S. New Ave. Suite N
Lemont, IL 60439
(630) 243-6616

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1985 Escort EV Donated To FVEAA *Ted Lowe*

We just received this email on our website: Dear FVEAA members: My 1985 electric converted Ford Escort

is available for any club member who can transport it from my garage in Aurora, IL. Details by phone if needed. It has a new controller ready to install and all the engine and gas systems are out of it. Some club members may remember the car. I was a member but have moved to Maryland and do not plan to take it with me. I will donate it as is. Lord willing I will be at the house in Aurora on Friday and Saturday, Sunday and Monday before Christmas.
Merry Christmas to all. R. J. Bohlmann

Rodney and I subsequently talked on the phone and he told me more about his EV. He and his students at Valparaiso converted it in 1993. It has a 3 speed manual, an 48V separately-excited aircraft generator as the motor and a 60V DC battery pack. He used to drive it 15 miles to work and back. He said he got up to 45 mile range at speeds up to 42 mph. The batteries are used, and like most used EVs will probably need to be replaced fairly soon. The car has been garage kept and the pale blue body is in very good condition.

This car will require some work from an FVEAAer to get going, but could be a very inexpensive way to Drive Electric! Any takers, let me know!

New Committee: Technical Projects *Ted Lowe*

I'm happy to announce a new FVEAA committee has been formed, namely, Technical Projects. Ken Simmermon has graciously offered to be the Committee Chair. This committee will take the lead on various technical projects we do in the FVEAA. A couple of initial projects include making a portable 220V watt hour meter so we can measure our electricity usage at various places, and an Avcon-Interface conversion box that will allow people without an Avcon inlet on their car to charge at Avcon charging stations. If you want to be involved in any of this committee's projects, contact Ken Simmermon directly.

Legislative Affairs Issue: Neighborhood Electric Vehicles *Ted Lowe*

Currently the IL State laws prohibit the driving of Neighborhood Electric Vehicles (NEVs) on IL roads unless specifically allowed by a municipality. These laws seem overly restrictive and will inhibit the marketing of clean BEVs around IL. The FVEAA will likely work together with other stakeholders work for changes to these laws.

You can read some background information to educate yourself more on these issues here:
<http://tinyurl.com/yprkem> and <http://tinyurl.com/2anzm2>

Welcome New FVEAAers *Ted Lowe*

Let's give a big FVEAA welcome to the following new members:

- | | |
|-------------------------------|----------------------------|
| Peter Traiko, Downers Grove | Sara Archacki, Champaign |
| Alan Woodman, Mt. Prospect | Larry Brady, Galesburg |
| Dan Nowak, Zion | Scott Taylor, Lombard |
| Jason Corneglio, Mazon | Wayne Malchow, Tinley Park |
| Denis Piscitelli, Sugar Grove | Dan Brosier, Elgin |
| Paul Sund, Plainfield | |

Welcome aboard Folks! Let us know what we can do to help you in your EV pursuits!

Ed Harris Building Lithium Battery-Based BEV *Ted Sanders*

FVEAAer Ed Harris has recently bought a 2008 Toyota Matrix to make into a 100% BEV! He has hired John Emde of Pioneer Conversions to do the conversion and is working with Prof. Said Al-Hallaj at IIT to acquire their patented Lithium Ion batteries for the car. Some of you old-timers may remember that we heard a talk about this battery technology when we were meeting at Triton a couple of years ago.

Ed expects to get about 100 mile range in his new car. Will he be the first FVEAAer with a Lithium Ion powered car? They are currently estimating a February 2008 completion date.

Forums Usage Improving - Keep Up Your Postings

Ted Lowe

The new tool that sends **Forums message summary** email to our listserv [members] seems to be helping to remind us to read and post on the Forums. Therefore, we are building an increasingly useful and organized base of knowledge, information and ideas for our and future FVEAAers reference! Keep up your Forums reading and posting everyone!

If you have trouble logging into either our website or forums, refer to: www.fveaa.org/members/help

Please let me know your comments/questions/suggestions/issues for future improvements. Thanks!

Avcon Charging Station In Use at Packer Engineering

Ted Lowe

Packer Engineering has installed the (Intelligent talking) Avcon PowerPak donated by Ken Simmermon. Ken demonstrated the use of the charging station to charge his OEM Ford Ranger to various onlookers after our November meeting. Photo credits: Terry Kane



**Fox Valley Electric Auto Association
Membership/Renewal Form**

Please check one: New Member _____ Renewal _____ (only need to fill in Name below)

Name: _____

Address: _____

City, State Zip: _____

Phone: _____

Phone Type: Home ___ Work ___ Cell ___

Email: _____

How did you hear about the FVEAA ?

Membership Types and Annual Dues (please circle your choice):

Individual	\$ 15
Family	\$ 20
Business	\$ 100
Premier Business	\$ 250
Charter Business	\$ 500

Newsletter Delivery Types (please circle your choice):

No Newsletter	\$ 0
Electronic Only	\$ 0
Postal Mail Only	\$ 10
Postal Mail and Electronic	\$ 10

Total Due: _____

Please make your check payable to "FVEAA" and postal mail it with this form to:

FVEAA
PO Box 214
Wheaton, IL 60189-0214
Attn: Membership