


Directions: From the Boughton & Weber Rd intersection, go south 0.5mi (past all the malls) and turn right (west) on Clow Intl. Pkwy. Park in the lot next to Charlie's Restaurant. The meeting is in the Packer Wings hangar (second hangar north from the parking lot). Enter the hangar from the side door on the south side.

**Meeting: Friday, September 15<sup>th</sup>**  
**Doors open at 7:00PM**  
**Meeting starts at 7:30PM**  
**Clow International Airport**  
**130 S Clow Intl. Pkwy, Bolingbrook, IL 60440**

**Fox Valley Electric Auto Association**  
PO Box 214  
Wheaton, IL 60189-0214

<b>FVEAA NEWSLETTER</b> <b>Fox Valley Electric Auto Association</b> A Not-For-Profit IL Corporation & Chapter of the Electric Auto Association (eaaev.org)	
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September, 2006

**Meeting Agenda**

*Ted Lowe*

1. **Call to Order and Introductions**
2. **Update on Kevin Zak & discussion of Kevin's visit - *John Emde***
3. **Approval of Minutes**
4. **Treasurer's Report – *Dale Core***
5. **Administrivia – Newsletter Content Submission, CACC Hybrid Seminar/Golf Outing, etc.**
6. **State EV Conversion Rebate Update and Discussion**
7. **Charging Infrastructure Project Update - *Todd Martin***
8. **Website Update - Roster updated, forums coming, other ideas? - *Ted Lowe***
9. **Effective Email Techniques - *Ted Lowe***
10. **Approval of Minutes**
11. **Members Show and Tell – 5 minutes to anyone to talk about their EV projects.**

## **Intermission - Refreshments, Networking and George Gladic's EV Pictures & Videos**

### **PROGRAM**

#### **1) Todd Dore – Hybrid News**

Todd will show pictures and give summaries of Hybridfest and the latest on plug-in hybrid projects.

#### **2) John Emde -- WarP Motors**

John will talk about the line of WarP Motors and their advantages and applications.

#### **3) Ed Meyer – The “New” Ed Meyer Charger Part 2**

Ed will continue the discussion he started last meeting and drill down with more details about EV charging concepts and about his new charger’s capabilities and design. He may bring a prototype of the his newly designed charger.

### **President's Words**

*Ted Lowe*

Wow, 2006 has really been the Year of the Green Car Shows! In the Midwest alone we had :

May - Joliet - Midwest AFV Expo (our great show made less great by extreme weather)

June - Custer, WI. - Midwest Renewable Energy Assoc. held a special show for green vehicles at their RE fair

June - Onokama, MI. - The GLREA's Michigan Energy Fair had an expanded area for green cars

July - Madison, WI - Hybridfest - 180 hybrids and 1000 people!

August - Elgin - Rich's ECC AFV Show - great turnout and many EVs!

August - Oregon, IL - IREA's Illinois RE Fair - record attendance over 3,000 and lots of green vehicles

August - Chicago's Eco-Transportation Show (1st) - great turnout for the first and lots of media coverage (WGN, Fox, NBC and NPR).



It looks like the "perfect storm" is whipping up interest in these EVents. Concerns about the price of gasoline and other forms of energy, and their supplies (peak oil, geopolitical, weather) and finally global warming are spreading. IMHO it's getting harder for the average person to ignore these issues no matter how 'asleep at the wheel' they may be. It's truly rewarding to be working with all of you in the FVEAA to encourage cleaner, more efficient, and cheaper transportation options! Oh... and driving past the gas stations each day too.

### **Meeting Minutes**

*Tim Moore*

**Minutes for FVEAA meeting Aug 18, 2006 at Clow Airport in Bolingbrook.**

President Ted Lowe called the meeting to order and first asked our guests to introduce themselves and new members to introduce themselves. With over 40 in attendance the comments were brief, but it was agreed this was the largest attendance since the 1980's. Minutes were approved and the treasurers report of \$5,742.26 in savings and \$3,384.43 in checking with pay out for MWAFFV transportation at negative \$1,817 leaving us with a total of \$9,309.69.



Rich Carroll, an award winning newsletter writer, is our new newsletter editor. Speaking of award winning publications, a motion was made to purchase 1500 copies of EAA two sided color publications at less than 10 cents a piece and the motion carried.

Ted Lowe highlighted the Plug-in Hybrids by Sherry Boscharet and spoke on how regular hybrids can get 50 miles to a gallon at 35 mph, but plug in hybrids much more, but the technology is 8 to 10,000 dollars and voids the warranty. Another book highlighted was a regenerative braking book from KTA that details how to get regenerative braking but only for AC cars. Ted pointed out that as ILL. Is so flat it has little benefit.

Rich Hirschberg spoke on the Elgin Car Show an AFV. 7 EV cars were there and a great crowd was in attendance. Rich also encouraged people to email to the Catlow Theatre in Barrington to get the movie "Who Killed the Electric Car" to show there.

With all the new people in attendance membership price was asked and clarified to be \$6.00 now and \$15 or \$20 on renewal in November. Finally, Route 66 raceway will be giving us the 900 copies of the booklet from the cancelled NMAFFV.

At intermission Todd Dore talked to new people about the coil spring maker that custom makes coil springs. COIL SPRINGS SPECIALISTS in St. Mary's KS. A very important aspect of conversions often over looked.

After intermission Todd Martin talked on AVCON charging stations with a goal of 50 sites. Grants from clean cities, Step Foundation (takes sinner air money and gives to clean air solutions. Several interested parties were mentioned including the Unitarian Church, Illinois Tollway, Packer Aviation GreenCities. It was once again clarified that the reason with are going with AVCON is because of NEC code.

Ed Meyer spoke next in a brainstorming format about what can we do to make electric cars more desirable. Ed pointed out the most cars sit 95% of the time and airplanes 99% of the time. These times allow for a lot of possible charging time especially for electric cars. Many ideas from brain storming were elicited: inducti9on, laser beam, microwave, vacuum pump brass plate for electrical contactors. Ed pointed out that chargers should be constant current chargers rather than taper current chargers. Secretary had to leave at this time, but I am sure Ed Meyer had the crowd interested in charger ideas.

Just a few quick words from the new Editor. There were lots of good things about the setup of the newsletter in past issues. The urgent information was all found on the outside of the mailer; Great! I wouldn't change that. A good newsletter presents you with what you NEED to know easily (perhaps without even opening it.) A good newsletter makes you WANT to open it for more information. We already had that, so my first contributions will be toward making it easier to read. We'll be using more clip-art, as I have a large collection. That appears to make it more interesting, and breaks up the areas of text making things even more readable. The basic formatting worked well, so you will find many of the headings, sections, and even the separators, similar to what you would expect.



For those of you who have an interest, I use Open Office to compose the newsletter; it is a free set of programs that replace the Microsoft Office that you may be familiar with. Anyone who has questions about Open Office can contact me.

## EV Discussion List

*A resource*

Are you looking for technical help on an EV project? If so, tap into an incredible resource on the Internet, the EVDL! This is a mailing list of EV experts and enthusiasts from all the world that pose questions and share answers on EV technical issues. It is a very active list, so setup an email filter to autosort your email to a separate mailbox. More info at: [www.madkatz.com/ev/evlist.html](http://www.madkatz.com/ev/evlist.html)

## Route 66 Car Show in Berwyn, Illinois (80<sup>th</sup> Anniversary of Route 66)

*Rich Carroll*

On September 9, Berwyn organized a car show of all kinds of cars along a half mile section of historic Route 66. Live, on-the-air radio and television personalities, live bands, and many other various entertainment acts created a wide diversity of interests. Antique cars, custom cars, recent rods, and even jumping low-riders were present. And there was an electric car, mine. Fortunately, one of my oldest and dearest friends is the on the air talent for Drive Chicago on WLS AM. Paul Brian has a very interesting history in various kinds of cars, ranging from a close association with Amectran, an electric vehicle startup in the late 1970's, to a three year stint as manager of the Alfa Romeo Indy Car team. Paul is currently in charge of (and has been for many years) all publicity and all media events for the Chicago Auto Show, and answers questions on the DriveChicago.com web page in addition to his radio program. We did have a few minutes to discuss EV's on the air, although there was a lot of items about the car show to pack into a 60 minute program.

The show was in perfect weather; temperatures were in the 70's with a mostly cloudy day. The local development company promoted the show heavily, and had well over 400 entrants. Todd Dore stopped by to offer to spell me from the constant barage of questions about my little EV. (Thanks, Todd) We did get to talk a little on the radio about EV's and Paul Brian had driven my EV just prior to the show, finding it surprisingly roomy and great fun. After the show, I tried to answer questions from

passersby, but could not possibly answer all the questions. The show was extremely well attended, and I seldom had more than a few seconds without a curious spectator asking questions. I was positioned right next to a fantastic “tuner” mustang from Dream Car Factory. This was a Mustang 500 GT that had spent a two week stint at the tuners, having numerous upgrades to the car. Mark was there from Dream Car Factory, prepared with about a half a box of business cards. Mark commented several times during the show that much more attention was paid to my little electric car (OK, it is always the smallest car at any show) than to his \$58,000 Mustang. I thought he was joking, but I noticed he had most of his cards still in his hand toward the end of the show (or maybe he replenished them) while I was almost out of EV flyers. Mark did say he wanted to buy my Elcar to use to generate interest in his Dream Car Factory conversions at the next show.

The Elcar (really a rebadged Zagato Zele) draws all kinds of questions. It is only 6-1/2 feet long, so it is easily the shortest car at the show. I certainly let kids sit inside and take pictures, and invite really interested adults to sit in it also. It is easy to get into and surprisingly roomy inside. Curiously, this is the second show for the car, and it is the second time that one of the principals from the show wanted to use the Elcar to drive around the show. Paul drove it at Berwyn and loved it. Larry Claypool (organizer) and Rick Korthauer (host) drove it around at the Orphan Auto Picnic on August 20th. Larry (former FVEEA member) said he was sorry he ever sold his electric Subaru 360 van, and would keep his eyes open for another electric car.

I answered questions at the Berwyn Show from 9 AM until almost 4:30 and then went home to dinner with Rose (my wife), grandkid and the World's Best Neighbors. I don't know how much EVangelism I was able to do, mostly just answering questions, but some folks had really insightful questions, and I did pass out almost 175 flyers reprinted from EAA.

Welcome New FVEEAers
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<i>Ted Lowe</i>
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Join me in extending a warm welcome to new FVEEAers:

Ted Sanders, Gurnee  
Richard Przybranowski, Chicago  
Ellen Goode, Chicago  
Jennifer Byrne, Chicago  
Kevin Kohnen, Algonquin  
Bernard Eiserloh, West Chicago  
Mike Olson, Oregon (IL:-)  
Roma Stewart, Chicago  
Robert Berkemann, Aurora  
James Zukowski, St Charles  
Bill Anderson, Rockton  
Neil Huffman, Montgomery

Welcome aboard folks! We hope to see you at meetings and other EVents! Let us know if we can be of help in your EV pursuits!