

FVEAA NEWSLETTER



Fox Valley Electric Auto Association

A Not-For-Profit IL Corporation & Chapter of the Electric Auto Association (eaaev.org)

May
2006

Midwest AFV Expo & 5th EVer – May 12-14 - Joliet, IL

Come One, Come All! This will be the best ever EV gathering in IL!

Our EAA colleagues are coming to visit us and share food, drink, stories, ideas, information, and many good times. And don't miss the **NEDRA High Voltage Nationals** drag racing competition! The Midwest AFV Expo will be our best ever opportunity to show and promote our EVs to the public and the media! More details inside.

This Month's FVEAA Meeting

When: Friday, May 19th, 2006, Doors open at 7:00PM, meeting starts at 7:30PM

**Where: Clow Intl. Airport
130 S Clow Intl. Pkwy
Bolingbrook, IL 60440**

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 (2nd hangar north from the parking lot). Enter the hangar from the side door on the south side.

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

**STAMP
ME!**

Meeting Agenda

1. **Call to Order and Introductions**
2. **Group Deep Breath** – *Ted Lowe*
3. **Treasurer's Report** – *Report by Dale Core*
4. **Administrivia:** Collecting payments for Shirts/Business Cards
5. **Midwest AFV Expo & 5th EVer Postmortem**
 - a. What worked and areas for improvement?
 - b. Things seen and learned, people met, etc.

Intermission - Refreshments and Networking

6. **What's next for the FVEAA?**
 - a. Returning to Triton
 - b. Continuing 501(c)3 status
 - c. Chicago area charging infrastructure
 - d. Club EV projects
 - e. Future meeting programs
 - f. More outreach to build awareness and membership
 - g. Continuing fveaa.org development

PREZ-SEZ

Written by: Ted Lowe

Well Folks, the Midwest AFV Expo has finally arrived! With much vision, planning, working (and a bit of worrying), we are now ready to **Enjoy The Fruits of our Efforts!** Keep your fingers crossed for reasonable weather on Saturday May 13th!

I don't know about you, but yours truly will be taking some vacation starting May 16th ☺ My payback for all the work i've done on the Expo (besides the feeling of satisfaction and gratitude for working for the cause and a group of great guys), will be what I'm calling **Ted's summer of fun 2006**. I hope you all will join me in taking some much needed R&R. I want to thank all of you for the great efforts you've put into making these EEvents happen!!!!!!!!!!

Meeting Minutes

Recorded by: Tim Moore

Minutes for FVEAA meeting held on April 22, 2006 at Clow Airport in Bolingbrook. President Ted Lowe called the meeting to order and first asked Rich Rezny our guest to introduce himself. Rich said he was former member in late 80's and has a Ford Ranger he might want to convert. Ted skipped the minutes and the treasurer's report, but that is okay because he has been doing so much stuff for the event and the club. Ted did talk about the business cards he generously designed and created at \$5.95 for 250 . Also Ted found shirts for \$16.50 nine dollars under budget, and if that is not enough, Ted made DVDs of Monster Garage episode for \$1.00. Thanks Again Ted.

Ted went over the advertisers including KTA, Rudman, Hartel Family, and others. At present we have almost \$2,000 committed for ads, but only \$250 in hand. All advertising is due by Wednesday April 26th. Sponsorship can be given through out the event and exhibit space is available up until the day of the event. Contact Rich Hirschberg for the exhibit space.

Rich Hirschberg made a special appeal to get as many newspapers, radio, email servers, and email lists in your area to contact for articles, sound bites and web links.

John Emde spoke on batteries needing to be strapped down with heavy duty strapping, no rubber bungee cords. John also illustrated the track areas, whereby we come in off route 53 to enter the track and get into the pit area. John laid out the possible areas for our vehicles as well as the lighting system rules for drag strip racing. Driver must have a valid drivers license to drive on the track and no passengers are allowed. If the vehicle is a bicycle or motorcycle the driver must wear a motorcycle helmet. Drivers of street legal cars going less than 100mph do not have to wear a helmet.

Just before intermission, Ted challenged the members to think of design ideas for his new truck bed tilting. The design challenge involved abandoning the old gas-spring lifts in favor of using recycled garage door torsion springs, pulleys and cable. It appeared that Steve Grusha's cookies and Ken Simmermon's juice won out over people designing Ted's lift, but we will see the new design May 13th for the expo. The intermission went on until the meeting was adjourned about 11:30pm.

5th Ever and Midwest AFV Expo Activities

NOTE: The times of some of these activities are tentative and may be changed. Please check our website for possible updates a day or two before the weekend. I will also send out email updates as soon as I know more. Also, see the 5th Ever area of our website for latest details!

Friday May 12th – 5th Ever

2 – 5 PM – Warfield Electric Motor Factory Tour

The 5th Ever early arrivals and some FVEAA members will be touring the Warfield Electric Motor Factory. Meet at the Joliet Motel 6 on McDonough Rd at 2 PM if you want to carpool with the group or drive directly to the factory by 3pm. See our website for driving directions to the Motel 6 and Warfield. Contact Todd Dore for more details at 708-307-1399 or electricblue0303@hotmail.com.

6 – 9PM – 5th Ever Kickoff, Dinner and Speakers – Route 66 Raceway

We will assemble at Route 66 Raceway's Training Center (where we had an FVEAA meeting last year). Chicago-style pizza dinner will be brought in. Todd Dore has arranged a number of speakers for the evening. Don't miss this!!!

Saturday May 13th – Midwest AFV Expo & NEDRA High Voltage Nationals

7AM – FVEAA Member Meetup

We will meet as a group in the EV area at the Route 66 Raceway early morning (7AM or asap). We will distribute Polo Shirts and Business Cards, setup the FVEAA booth and our cars, and then help out wherever else we can.

Gates Open To Public – 9AM–11AM

We need volunteers to staff the FVEAA booth for the duration of the day. Duties will include signing people in, handing out FVEAA literature, answering questions and selling raffle tickets. There will be a sign-up sheet for volunteer time-slots at the booth. **PLEASE EVERYONE work a time-slot!**

Ever Ceremonial Lap – Noon

All EVs (FVEAA and NEDRA) will make a ceremonial lap at the track as the announcer reads each EVs '3x5 card' information.

High Voltage Nationals NEDRA Competition starts at Noon

The official competition will commence after the ceremonial lap is completed. The NEDRA competition will probably take about 3 hours. Afterwards, the non-electric AFVs will be able to race on the drag strip.

Gates Close To Public – 5PM

Exhibitors and participants can close down their booths and vehicles.

NEDRA Awards Ceremony – 5:30-6:30PM – Route 66 Raceway

John Emde will conduct this ceremony and award the prizes to the winning teams.

Dinner – 7PM - 9PM – Mr. B's on Rt. 53 near the Route 66 Raceway

NEDRA competitors, FVEAAers and 5th EVer will gather for a social event and dinner.

Sunday May 14th – 5th EVer Continues

Informal Breakfast - 7:30-9:30AM - Bob Evans near Motel 6

The usual suspects will gather and have breakfast before heading to the track.

5th EVer -10AM - 4PM – Chicagoland Speedway Media Center

Don't miss this one! The EAA Conference will feature speakers, EAA business, lunch and networking. **NOTE:** The Media Center is a larger nicer room across the street from the Route 66 Raceway.

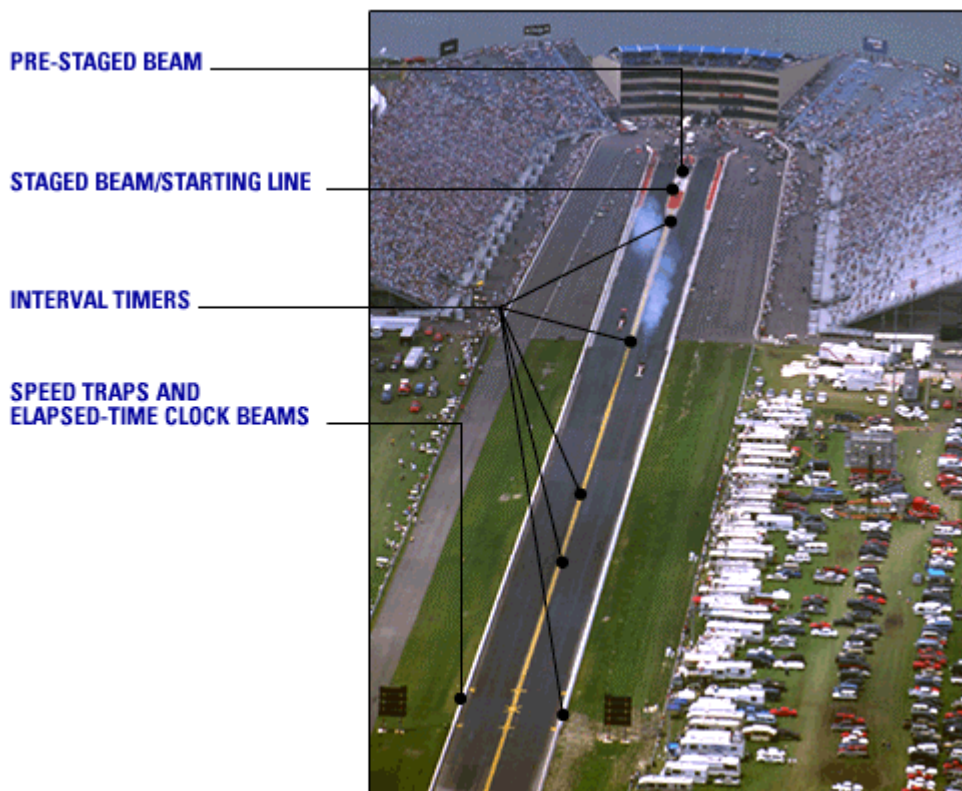
EV Racing Rules and Inspections Details

If you plan on racing your EV on the Route 66 Raceway drag strip (if for no other reason than a photo-op), you must follow these rules!

- No hubcaps
- All batteries must be strongly strapped down (no bungy cords)
- No passengers
- Motorcycles and e-bike riders must wear a helmet.
- Must have a valid drivers license

See the following information from Route 66 Raceway via John Emde for drag racing details.

Drag Strip Timing and Scoring System Layout



PRE-STAGED BEAM:

An infrared beam sender/receiver connection (per lane) triggers pre-staged lights and signals drivers that they are close to "staging" when this beam is broken by vehicle's front wheel.

STAGED BEAM/STARTING LINE:

This infrared beam sender/receiver connection controls the starting and timing of each race. This beam triggers an independent "lane timer" for elapsed time and will trigger the red foul light if a false start occurs. A race cannot be started until both competitors are fully "staged." The staged beam is 6 inches past the pre-staged beam.

INTERVAL TIMERS:

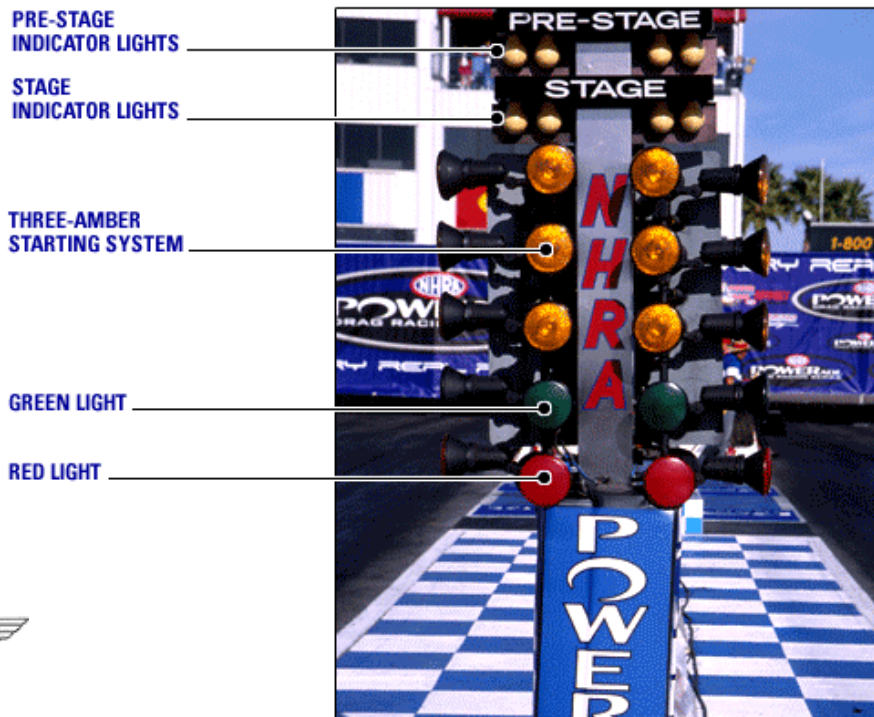
Time and speed are recorded at five intervals along the track. There are clocking devices at the 60-foot, 330-foot, 1/8-mile, 1,000-foot and 1/4-mile locations.

SPEED TRAPS AND ELAPSED-TIME CLOCK BEAMS:

The first of these infrared beam sender/receiver triggers is located 66 feet before the finish line and is used to start the individual lane top speed clocks. A second beam, located at the finish line, shuts off both the individual lane elapsed-time and top speed clocks, and triggers the win indicator. The 66-foot speed trap computes top speed.

The length of the actual racing surface at an NHRA Drag Racing Series event is one-quarter mile, or 1,320 feet. The average width of each lane is 30 feet.

NHRA National Event 'Christmas Tree' Starting Line System



FULL TREE: Used in Competition, Super Stock and Stock, for which a handicap starting system is used to equalize competition. The three amber bulbs on the Christmas Tree flash consecutively five-tenths of a second apart, followed five-tenths later by the green starting light. A perfect reaction time on a full Tree is .500.

PRE-STAGE INDICATOR LIGHTS: Yellow bulbs warn drivers that they are approaching the starting line and the "staged" position.

STAGE INDICATOR LIGHTS: Signal drivers that they are on the starting line and ready for a run. These yellow bulbs come on when the front wheels of the race car interrupt the beam from a light source to the photo cells. These same photo cells start the timing equipment.

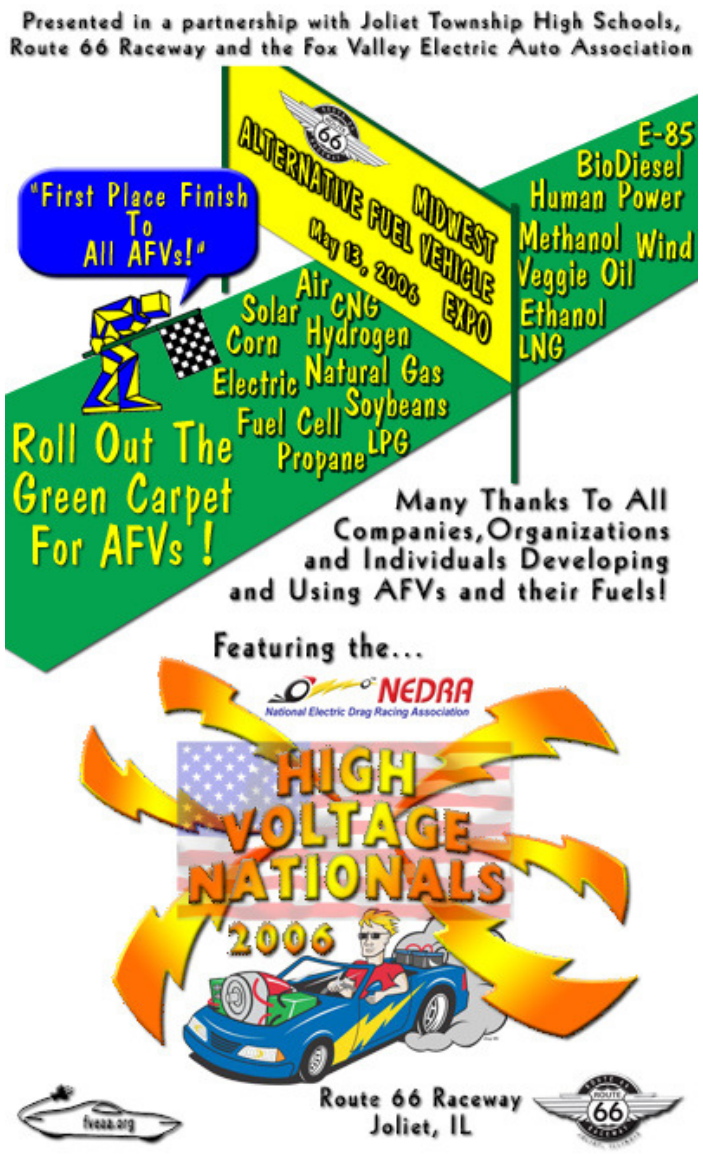
THREE AMBER STARTING SYSTEM: All three amber floodlights in a driver's lane flash

simultaneously before the green light comes on. This is called a "pro start" system. Racers running in handicap categories get a countdown of one amber light at a time until the green light comes on. The "pro start" system runs with a .4-second difference between the amber and green lights, while the handicap system runs with a .5-second difference between bulbs. Many non-national event tracks still use a five-amber light.

GREEN LIGHT: This is the one that makes it all happen. Once the green light is flashed, the driver in that lane is free to make a run down the track. Any time green light is shown in a driver's lane it indicates that a fair start was accomplished.

RED LIGHT: When a car leaves the starting line before the green light comes on, or, in some cases, is staged too deeply into the staging beams, the red light will flash in that lane. It indicates the driver in that lane has been disqualified. During competition, only one red light will light, thus eliminating only the first offender.

Program Guide front cover graphic of Midwest AFV Expo / High Voltage Nationals



FVEAA - NEW MEMBERSHIP APPLICATION

Any person interested in electric cars and alternative energy systems is welcome to join the Fox Valley Electric Auto Association. The cost for a full year's dues is \$20.00 which entitles members to receive our monthly Newsletter that contains useful information about electric car conversions, construction, news, policies and events. These member dues are prorated on a monthly basis for **NEW** members joining after the beginning of the club's fiscal year.

Membership is not required to attend our monthly meetings, but we hope you join the FVEAA as a regular member!

Please Print Clearly

Name: _____ Date: _____
 Address: _____ Phone: _____
 City: _____ Fax: _____
 State, Zip: _____ Email: _____

Newsletter Delivery Option (Check One)

Send the newsletter by mail Send the newsletter by Email Send Both

Prorated New Membership Dues

FVEAA annual membership is \$ 20.00. The fiscal year begins November 1st.
 Dues for **NEW** members (not renewing members) joining after that date is adjusted according to the following schedule:

Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.
\$	\$	\$	\$	\$	\$	\$	\$	\$ 8.00	\$ 6.00	\$ 4.00	\$ 2.00
20.00	19.00	18.00	17.00	16.00	14.00	12.00	10.00				

Make your check payable to the FVEAA and snail mail to:

Dale Corel, FVEAA Treasurer
 595 Gateshead North
 Elk Grove Village, IL 60007-3433

OR Join on-line at: www.fveaa.org/join

FVEAA - MEMBERSHIP RENEWAL FORM

Name: _____ Date: _____

Newsletter Delivery Option (Check One)

Send the newsletter by mail Send the newsletter by Email Send Both
\$20.00 Annual Dues *\$15.00 Annual Dues* *\$20.00 Annual Dues*

OR Renew on-line at: www.fveaa.org/renew