



EEVC NEWSLETTER

Published by the Eastern Electric Vehicle Club

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Vol 35 No 8
AUGUST, 2015



Affiliated with EAA

AUGUST MEETING IN DEPTFORD, NJ Oliver Perry



Alan Arrison points to the newly installed air conditioning system that he painstakingly placed in his Chevy electric truck. He is pleased with its performance.



Everybody enjoyed the evening, the fellowship, and food. No major revolutionary or earth shattering discussions took place; it was a low keyed event, suitable for summertime relaxation.

On Wednesday, August 12th, the EEVC had its second of the summer, special car show and summer meeting in the parking lot of a strip mall close to the Deptford Mall in Deptford, New Jersey.

Ken Barbour rode his electric skate board around the lot, but didn't attract a lot of attention. A few exchanges of electric car parts took place between members.

A couple of folk who seldom attend meetings were able to come, one showing off his outstanding unbelievable red colored Insight, the other his leased Honda electric sedan.

Ken Barbour's comments

It was actually the third summer meeting at

Cugini Pizzeria in Deptford. We met in June when the school wasn't available to us and 21CAC awards were cancelled. We also met there in July and August.

The August event did have one significant event. President Ollie Perry debuted his (Dottie's) first production electric vehicle, a 2013 Nissan Leaf S. This is the first production EV from a major manufacturer at the Perry household (used car lot) and is sure to be the catalyst of future elimination of the many gasoline powered vehicles and their subsequent replacement with more efficient electric vehicles. Let's just hope Ollie behaves himself when visiting the many public charge stations now installed in our area.



Ken Barbour, organizer of the event, looks at an EV magazine while waiting for his meal to be served. His wife Aimee tries to locate him on her i-phone, unaware that Ken just sat down across from her.



Dan Monroe (right) smiles at the camera. Socialization took place inside Cugini Pizzeria in Deptford.



Above: Picture from July meeting (Ken Barbour)

Unfortunately, Aimee and I did not take any pictures this month. I know Ann Monroe took some pictures inside, maybe she took some outside as well?

The leased Honda electric car mentioned is a Honda Fit EV and belongs to Jeff from Lumberton, NJ who is not yet a member. (although I've been trying to get him to join)

OUT TO DINNER WITH A BIG RIG EV FAN Oliver Perry



Jessie Rudavsky, an EV enthusiast who lives in Rhode Island and is a member of the New England Electric Vehicle Association, gave me a call a few weeks ago. Jessie is a truck driver by trade. He was coming through

New Jersey and had a stopover near where we live. Jessie said he wanted to take Dottie and me out to dinner and at the same time see the Leaf that we had recently purchased.

On this particular trip Jessie was provided a new Volvo tractor. He said the newer trucks can get up to 8 mpg over the road, an improvement over the typical 6 mpg.

Consider the number of trucks on the highway. Although Jessie owns and drives a Prius, the conservation of fuel such vehicles promote remains small in comparison to the huge amounts of fossil fuel consumed in our transportation sector (trucks, trains, boats, and airplanes). That is why I am in favor of reporting the amount of energy used per pound, mile, and time.



Dan Monroe (left), joined Jessie (front center) Dottie and me, at the Nissan dealership in Turnersville where we

tried out the level three quick charge.



Dottie got a chance to "plug in" at the Turnersville Nissan dealership. Afterward Jessie

was given an opportunity to drive the Leaf back to the truck stop. He loved the car. If it were not for the speed signs on 295 he would have found out how fast it could actually go.

CAR IDENTIFICATION

Can you help with this query? A man named Ken wrote to EAA in May, and perhaps an EEVC member can provide the information:

“Help please. I seem to remember an electric concept that was in limited production around the same time as the Citicar. Say early 70s. It looked like the concept Astro III car Chevy made in 1969 but did not produce. I used to see one on the Black Horse Pike in South Jersey every day riding back and forth to Philly so I know I’m not completely crazy.

“I cannot, however, find anything about it anywhere so I am writing to you, the experts, for help. Anything you have would be greatly appreciated. Thanks, Ken.”

If anybody has the information Ken is looking for, please contact Ron Freund at freund.ron@gmail.com, and copy us at east-ernev@aol.com.

OFF-ROAD TESTS BEGIN FOR U.K. ELECTRIC HIGHWAY TECHNOLOGY

On August 11 the U.K. government reported that off-road trials on the technology to power electric and hybrid vehicles on England’s major roads are due to take place later this year. The trials are the first of their kind and will test how the technology would work safely and effectively on the country’s motorways and major A roads, allowing drivers of ultra-low emission vehicles to travel long distances without needing to stop and charge the car’s battery.

The trials follow the completion of a feasibility study commissioned by Highways England into “dynamic wireless power transfer” technologies.

The trials are expected to begin later this year following the completion of an ongoing procurement process. The trials will involve fitting vehicles with wireless technology and testing the equipment, installed underneath the road, to replicate motorway conditions. Full details of the trials will be publicized

when a successful contractor has been appointed.

The trials are expected to last for approximately 18 months and, subject to the results, could be followed by on road trials.

As well as investigating the potential to install technology to wirelessly power ultra-low efficient vehicles, Highways England is also committed in the longer-term to installing plug-in charging points every 20 miles on the motorway network as part of the government’s Road Investment Strategy.

CORRECTION

Ollie Perry reports: “The truck that Corey reported in the article that he was working on was NOT the white factory truck purchased on e-Bay. He purchased Denny Stichter’s at the 21st CAC out at Penn State this past spring after he had purchased the truck on e-Bay. Denny’s truck was already running as an electric. It was the truck that club member Don Young’s dad donated to the EEVC for a raffle a few years ago.

“Corey decided it would be much better for him to work on an already converted truck than to convert the truck he had purchased on e-Bay.”

MAREA PRODUCTION ELECTRIC CAR SHOW

Organizers of the upcoming Mid-Atlantic Renewable Energy Association Production Electric Car Show are interested in EV participants who can bring their vehicles and share their experiences owning and operating an electric car with others who own and operate or want to own and operate electric cars. This year’s event will be on August 25, 2015 from 6:00 p.m. to 8:30 p.m. at TEK Park, 9999 Hamilton Blvd., Breinigsville, PA (west side of Allentown). More information is at TheMAREA.org. They are a bit out of range for many, but perhaps there are a few production electric or electric-conversion vehicles owners who could make it. At last word about a dozen cars are registered, including Tesla, Leaf, i3, Volt, CMAX, Hyundai Tucson fuel cell electric, Honda conversion Deka experimental battery car, Mazda conversion, etc.

NATIONAL DRIVE ELECTRIC WEEK

This year's National Drive Electric Week event will again be at Tesla Motors in Devon, on Saturday, Sept. 19th from noon to 5 p.m. To register or volunteer, go to <https://drive-electricweek.org/event.php?eventid=417&view=public>

NEWS UPDATE

Accelerating at Stuttgart



A July 27 *Gizmag* story by Scott Collie reports that the University of Stuttgart Green Team has broken the world record for acceleration with a 0 to 100 kph (0 - 62.5 mph) run in 1.779 seconds in their E0711-6 electric racecar. There were not many details, but the car puts out 1200 Nm (885 ft-lb) of torque. If you understand German you can see the whole story at www.uni-stuttgart.de/hkom/presseservice/pressemitteilungen/2015/60_15_weltrekord_greenteam.html?__locale=en.

It has been suggested that an exchange program be established with Penn State to learn how to develop more enthusiasm for competitive EVs.

Deadly superchargers?

A recent AP story reports that a man was killed while working on a Tesla charging station in Virginia. The victim apparently was working on the charging station in the Janaf Shopping Yard in Norfolk, set to open on August 19 but now postponed.

Attention cheapskate EVers: The feds are out to get you!

Politicians have had a love/hate relationship with EVs. Those not from oil-producing

states love how they reduce oil petroleum imports and greenhouse gas emissions, but politicians on both sides of the aisle dislike the idea of cars using the roads without paying fuel taxes — which is a valid point. Several states have looked into a tax per mile driven, but now the federals are attempting the same thing. The Developing a Reliable and Innovative Vision for the Economy (DRIVE) Act, among many other things (it's 1300 pages long) includes a provision that “ensures all users of the roads and bridges pay their fair share with a new federal share program initializing new state controlled user fees.”

The bill includes a provision that “Not later than 1 year after the date of enactment of the DRIVE Act, the Secretary shall designate national electric vehicle charging and natural gas fueling corridors that identify the near- and long-term need for, and location of, electric vehicle charging infrastructure and natural gas fueling infrastructure at strategic locations along major national highways to improve the mobility of passenger and commercial vehicles that employ electric and natural gas fueling technologies across the United States.”

How, precisely, this is supposed to raise money is not clear, but the House passed it at the end of July and sent it on the the Senate. When we get more information we'll pass it along. There's quite a bit of politicking going on here (the government is trying, as usual, to find ways to spend money it doesn't have), and an old quote, usually (and apparently incorrectly) attributed to Otto Von Bismarck, is relevant here: “Laws, like sausages, cease to inspire respect in proportion as we know how they are made.” (John Godfrey Saxe, 1869).

Obama clamps down on CO2 from power plants

The president recently announced new limits on greenhouse gas emissions from power plants, and the power companies are not pleased — not to mention politicians from coal-producing states. According to an August 3 AP story by Josh Lederman, “Obama's actions on climate change have faced opposition from Republicans and even some Democrats who fear the impacts on the U.S. economy. The issue is already being

raised among candidates for next year's presidential election, as much of the work will lie with his successor. Democratic front-runner Hillary Rodham Clinton has already expressed support.

"Opponents plan to sue immediately, and to ask the courts to block the rule temporarily. The National Mining Association on Monday asked the Environmental Protection Agency to put the rule on hold while legal challenges play out."

Emissions already down

We're already making progress, adds an August 6 AP article by Seth Borenstein: "Heat-trapping pollution from U.S. power plants hit a 27-year low in April, the Department of Energy announced [on August 5].

"A big factor was the long-term shift from coal to cleaner and cheaper natural gas, said Energy Department economist Allen McFarland. Outside experts also credit more renewable fuel use and energy efficiency.

"Electric power plants spewed 141 million tons of carbon dioxide in April, the lowest for any month since April 1988, according to Energy Department figures. The power plants are responsible for about one-third of the country's heat-trapping emissions.

"April emissions peaked at 192 million tons in 2008 and dropped by 26 percent in seven years.

"Carbon pollution from power plants hit their peak in August 2007 with 273 million tons; summer emissions are higher because air conditioning requires more power."

An electric Audi?



On August 19 Audi announced that it would be displaying its e-tron quattro concept car at the Frankfurt Auto Show, Sept. 17-27. Clearly intended as a competitor to the Tesla Model X, the crossover SUV claims a range

of 500 kilometers (310 miles) and a Cd value of 0.25. Propulsion comes from three electric motors – one on the front axle and two on the rear axle.

Production, if it happens, is scheduled to begin in 2018.

THAT SINKING FEELING By California Pete



There has been a lot written about wildfires in California this season, and with good reason — as of the end of July there had been about 5200, up by ten percent from last year, but the damage is smaller because extra firefighters

(including the National Guard) have been brought in. And while much of the ferocity of this year's fires can be attributed to the drought, it affects only the surface of the ground. Perhaps more serious on a long-term basis is the fact that much of the land in the agricultural San Joaquin Valley has been sinking as farmers make up for the cutoff in water from the north by pumping groundwater (California finally got around to regulating groundwater pumping last year, although the new law won't take effect until 2020 or later. Up until that point it was the only western state that did not regulate groundwater use). Parts of the state have been sinking at almost 2 inches per month. "Last year, areas around the Kings County town of Corcoran between Fresno and Bakersfield dropped 13 inches in eight months," according to the *San Francisco Chronicle*. "Irrigation canals have begun to buckle, wells have fractured and even streets are cracking. State and federal officials fear that railroad lines and home foundations may be next."

Meanwhile the fires burn. The Rocky fire, which burned 70,000 acres before it was contained, and was so hot it generated its own wind and sent smoke 35,000 feet into the air, is not the biggest; so far about 169,000 acres have burned. And just think: official fire season is just getting started. And, according to NOAA, July was the hottest month around the world in recorded history.

Bad roads

With its boom-and-bust economy, California has a habit of cutting back on infrastructure repairs during lean times, and then embarking on new pie-in-the sky programs when money becomes available. As a result, the Bay Area's roads are listed by the research and advocacy group TRIP as the worst in the nation, followed by those in Los Angeles.

Pee at your own risk in SF

San Francisco, like many other cities around the world, is plagued by public urination. While some of this occurs during the many outdoor festivities, most just happens. There are plenty of homeless people and plenty of drunks, and since there are few public facilities, there are many complaints that the city has a persistent smell of urine.

But brighter minds have come up with a solution, of sorts. As CNN put it, "Public Works crews have painted 10 walls in the city with a special UV-coated, urine-repellent paint, according to CNN affiliate KPIX.

"If an offender tries to urinate on a wall coated with the super hydrophobic paint, the urine, instead of running down the wall, will spray back at the person relieving himself, potentially hitting his clothes or shoes."

That should take care of it.

Much of the problem stems from the large homeless population; 6686 people, according to the latest survey, up 3.8 percent since 2013, when the city's population was 825,111 — which means that about 0.8 percent of the population is unhoused. Opinions differ on what to do about it. They're homeless because they're mentally ill or addicted to drugs and/or alcohol or just down on their luck, says one group, and they should be taken care of. Others say they're here because there are plenty of benefits for them, and it doesn't freeze here in the winter, so they should be given bus tickets out of town.

COMING EVENTS

MAREA Production Electric Car Show

Aug 25, Breinigsville, PA. Go to www.themarea.org/

Classic Car Show

Sept. 12-13 (Cars on Sept 12), Kennett Square, PA. EEVC is planning to participate; for information go to [\[val.org/2014-antique-classic-car-show/\]\(http://val.org/2014-antique-classic-car-show/\)
2015 Electric & Hybrid Vehicle Technology Expo](http://mushroomfesti-</p></div><div data-bbox=)

Sept 15-17, Novi, MI. www.evtechexpo.com/
The Battery Show (colocated with the event above).

Go to www.thebatteryshow.com/exhibition/about-the-battery-show

ALTCAR Expo

Sept 18-19, Santa Monica, CA. Go to www.altcarexpo.com

National Drive Electric Week

Sept. 19, Go to <https://driveelectricweek.org/event.php?eventid=417&view=public>

2015 World Solar Challenge

October 6-13, Australia. Go to www.worldsolarchallenge.org

Engine Expo 2015 (with an electric and hybrid pavilion).

Oct. 20-22, Novi, MI. Go to www.engineexpo.com/usa/pavilion.php

SAE 2015 Electric Powertrain Technologies Symposium

Nov 17, Stuttgart, Germany. Go to <http://www.sae.org/events/epts/>

SAE International Vehicle Electric Powertrain Forum

Dec 3-4, Shanghai, China. Go to <https://www.sae.org/events/vept/>

NOTICE ON DUES

Annual EEVC dues are \$20 with electronic delivery of the Newsletter, or \$25 for a printed copy. Mail checks payable to EEVC to James Natale, 3307 Concord Dr, Cinnaminson NJ 08077, or pay via PayPal to jnatalemicro@comcast.net.

MEETING SCHEDULE

Meetings are held in Room 49, Plymouth-Whitmarsh High School, 201 East Germantown Pike in Plymouth Meeting, PA, and begin at 7:00 p.m. Note there are no official meetings in July or August, although members often arrange informal ones.

Sept 9

Oct 14

Nov11

Dec 9