



June, 2005

EVAOSD Newsletter

Volume 15 Number 6

ELECTRIC VEHICLE ASSOCIATION OF SAN DIEGO (EVAOSD)

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Regular Meetings: 4th Tuesday of every month (January thru November), at 7:00 pm,
Location: San Diego Regional Transportation Center, at the corner of I-15 and El Cajon Blvd.
Place: In the cul-de-sac between the RTC and I-15
Next Meeting: Tuesday, June 28, 2005 @ 6 p.m.
1st Subject: Annual Barbeque and EV Project Display

The President's Message

Our May meeting was well attended with 26 attendees. We discussed activities that had happened in our region from the Earth Fair (with Kevin's video), handouts from Felix Kramer about the CalCars.org plug-in hybrid and we discussed the Clean Cities Convention in Palm Springs. We were able to view several Motor Week programs by John Davis from a CD that is available for loan from the EVAOSD library.

We have several members that have renewed their dues and some that have joined our association. Thanks to Lee Campbell, Larry Mangelsen, Stan Bell, Russ Lemon & Bill Hammons. We depend and appreciate your support through membership. Please check your membership status and if you renew at the EAA level be sure to indicate San Diego's EVAOSD as your chapter.

Since our last meeting we have had a radio program devoted to electric vehicles and many news items to report. The radio program was hosted by KPBS and featured Paul Marshall with Judy Bishop that manages our meeting space and the San Diego Eco Center plus Chelsea Sexton on the phone

from DontCrush.com. The program was well received and has been taped for our library.

Our June meeting will be our annual barbeque and EV project display. Hamburgers, hot dogs and soda will be provided by EVAOSD. Anyone that wants to contribute by bringing other items or a cash donation is encouraged to do so. What we need is EV and EV projects. So if you are working on something, have some parts or photos that you are able to bring, these items would be useful. During the year we were able to recognize some students during the Greater San Diego Science & Engineering Fair. These students and their families will be invited to our meeting to display their projects and to our barbeque.

I look forward to seeing you at our meeting on Tuesday, June 28, 2005 @ 6p.m. The meeting will be at the RTC (Regional Transportation Center), [in the cul-de-sac between the RTC and I-15] located on the southeast corner of Interstate 15 & El Cajon Blvd.

Bill Hammons, President EVAoSD

The EV Grin

"EV'ers know about the grin that someone has just after driving an EV." Here are some notes for the San Diego EV Community.

Calendar of Events:

6/28 EVAOSD Annual Barbeque & EV Show

6/28-29 Energy Mang. Congress – San Diego

7/8-16 Solar School Car Challenge – from Round Rock, TX to Pasadena, CA

7/13-11 Advance Capacity World Summit San Diego

7/17-27 Solar Challenge from Austin, TX to Calgary, Alberta, Canada

8/17-18 Advance Battery Technology & Power Management

8/20 EV Awareness Day
Portland, Oregon

8/27 EBEEA Fall EV Rally in Hayward, CA

9/4 NEDRA West Coast EV drag racing Event
Woodburn, Oregon

9/28 AWEA Wind Fall Symposium – La Quinta, CA

ZAP Begins Auction of U.S.-Compliant Smart Car on eBay and more...

Link to Auction:

<http://cgi.ebay.com/ebaymotors/ws/eBayISAPI.dll?ViewItem&rd=1&item=4556842599&category=6472>

Latest Newsletter: <http://zapworld.com/news/ZAP-June-2005-Newsletter-Batteries.asp>

Below is up-to-date information on ZAP, The Smart Car Distribution, as well as Battery Technology information.

ZAP the company that brought the Smart Car to America, offers the first opportunity for the General Public to bid on a Smart Car Americanized via ZAP. Ebay Auction: Search Smart Car or Item # 4556842599

*** ZAP auction supports clean-air causes ***

ZAP launched an auction of one of its Smart Cars to benefit the American Lung Association and the Institute of Transportation at UC Davis.

It's an exciting event! For the first time the general public will have the chance to acquire a Smart Car Americanized by ZAP. Right now, the ZAP Smart Car Auction is the only way to get a Smart Car in the U.S., as ZAP builds its dealer network. ZAP put Smart Car on the map in the U.S., and is the only source for Americanized Smart Cars.

The ZAP Smart Car Auction is now open and ends on [Saturday, June 25 at 7:30pm](#). Don't miss out on this one-of-a-kind chance to own your own Smart Car. You may be the winning bidder! It's a Silver ForTwo Cabrio Passion with only 71 miles on the odometer.

Call it good fun for a good cause. The American Lung Association and the Institute of Transportation at UC Davis will share equally in the proceeds of the sale. As long-time champions of cleaner air, what better organizations to benefit from the sale of an efficient urban vehicle Americanized by ZAP?

After all, ZAP stands for Zero Air Pollution and distributes zero-emission electric transportation as well as innovative greener vehicles like the Smart Car.

*** ZAP Dealers To Get First Cars ***

ZAP' s success in growing its dealer network has exceeded all expectations. In the last 3 months, more than 100 dealers in 38 states have signed up to sell advanced transportation vehicles distributed by ZAP.

The latest product to enter the ZAP distribution pipeline is a model of the Smart Car, the stylish two-seat Euro micro-car that zips through traffic while sipping gas. As we write, the Smart Cars are being processed and shipping to dealers in eight states. We will announce dealer locations when they are prepared to deliver a high quality customer experience that is expected with every Smart Car.

* Building a dealer network *

ZAP' s approach to rolling out its Americanized Smart Car is to satisfy demand as soon as possible while building a system that will ensure sustainable supply, support, and customer satisfaction.

The first shipment of Smart Cars Americanized by ZAP are not going to race out of the showrooms, though they could. Thousands of buyers have demanded, "When can I get one?" However, it takes some time to ramp up production, so the first cars on the lot will stay for a while for test-drives, and up close look as the dealers are trained to deliver high quality service and support.

At the same time, dealer support is taking off. The first ZAP dealer training takes place this month. Courses will cover basic product training, general maintenance, and troubleshooting.

ZAP' s importing partner has organized a parts system to inventory the most popular parts on the ground in the U.S. Each dealer will stock a number of them and an ordering system will be established to expedite shipment of less common parts via express mail delivery.

* ZAP puts Smart Car on the map in the U.S.*

ZAP, with it' s network of supporting companies, is the first and only company to Americanize the Smart Car with full approval of the U.S. Environmental Protection Agency (EPA) and Department of Transportation (DOT) approval for sales in 45 states. It' s a major milestone that rests on the ingenuity of ZAP engineers applying proprietary technology that ZAP owns.

ZAP is proud of its achievement in Americanizing the Smart Car, and looks forward to bringing more of the world' s best-advanced transportation and energy products to market.

* ZAP Charges Ahead In Batteries *

Ongoing improvements in batteries will be a major factor in the market success of future generations of electric-drive vehicles. Progress in batteries for personal electronics and vehicles have crossover benefits, and ZAP is grounded (no pun intended) in both areas.

ZAP is applying advanced lithium polymer battery power to transportation. ZAP recently signed a cooperation agreement with a Chinese advanced battery company with the intent to develop, manufacture and distribute electric vehicles. Initial testing shows that ZAP' s three and four-wheel vehicles equipped with lithium polymer batteries would be able to increase run time by a factor of three or more compared to lead-acid batteries.

ZAP' s personal electronics battery product line called ' Portable Energy' packs a lithium power punch to run or charge virtually any models of personal electronics. The portable battery packs allow users to leave all the chargers for their phone, CD player, PC, and PDA at home. Says Laptop magazine, "We used it to operate an Olympus digital camera, and after 200 flash shots, it had only used roughly 25 percent of the Portable Energy' s power. We can say that it works exactly as advertised."

The 1990s saw the microchip shrink in size and cost while growing in performance. In this decade batteries are becoming smaller, smarter, lighter, and more powerful. ZAP is on the leading edge of exploiting this opportunity for the development of battery power for both vehicles and personal electronics.

To find out more about ZAP please visit us at <http://www.zapworld.com>.

Taking Turns ' - - , _ _ _ Messages from our members . . .

Dave Cutter reports the following items:

Cars' Are Gas Optional 100+ Miles Per Gallon Perfect

Village Energy Editor



'Gas Optional' Plug-in Hybrids Rock!

For about \$10 to 12K USD, **Edrive Systems**

[convert your Toyota Prius](#) to run on electric power alone for local commuting and travel within a 30-55 mile range - well within the national average of 12 miles most cars cover in a normal day. ([See 100+ MPG Plug-In Hybrid Cars](#)). Plug in upgrades expected to be offered for other hybrid vehicles from OEM manufacturers, such as new **Lexus RX400h** hybrid, **GS450h** hybrid and the **Ford Escape** hybrid.

[Read on...](#)

'Boxfish' Cars: Nature's Best Design

Village Energy Editor



'boxfish' shape contributes to cars fuel efficiency

DaimlerChrysler's super aerodynamic 4-seater concept car, (its' shape is based on the boxfish which contributes to the cars fuel-efficiency), has a drag coefficient of just 0.19, (compared with the Toyota Prius at 0.26). Imagine a diesel hybrid power train in the mix! The engine is a 2.0 liters 103 kW/140-hp diesel (biodiesel anyone?).

[Read on...](#)

GEV1 - A New EV with a Familiar Name

Village Energy Editor



GEO EV1 tests 155.34 miles on a single three-hour recharge

The **GEO EV1** is powered by lithium-ion polymer batteries and an electric motor jointly developed by **Korean battery specialists Kokam** and **VK of Finland**, together with **French micro-car maker MC**, who will supply MC with Korean components and electric car kits in return for using MC's lightweight platform for the electric vehicle's body. The **GEO EV1 mini-car** will cost around 25 million

(\$25K USD) (or less if it receives government support in its effort to encourage eco-friendly low-emission cars).

EPA won't give a pass on fuel additive

EPA Administrator Stephen L. Johnson rejected a request Thursday from California and two other states to waive requirements that gasoline contain an additive to reduce air pollution. Under this requirement, California has blended ethanol with gasoline, raising the cost and reportedly increasing air pollution in the summer.

Source: EPA won't give a pass on fuel additive, The Los Angeles Times

Brad Berman of [hybridcars.com](http://www.hybridcars.com) adds:

What's Selling?

Toyota Highlander Hybrids are now arriving at showrooms around the country. The first two are expected anytime at my local dealership in northern New Jersey. (I made my color and trim package choices a couple of weeks ago, and should see my vehicle sometime this summer.) The arrival of the Highlander this month, along with the Lexus RX 400h—which began shipping several weeks—brings the number of hybrid offerings to seven, including the Toyota Prius, Honda's Accord, Civic, and Insight, and the Ford Escape.

Hybrids in the Works

On May 18, Toyota announced that a hybrid version of America's best selling car model, the Camry, will be built on America soil. The Camry will put Toyota closer to its goal of selling 300,000 hybrids globally, the bulk of them in the United States, in 2006. Spokesman John Hanson said Toyota's not done: "I can't tell you which hybrid model will be next, but I assure you there will be more." Toyota will begin making as many as 48,000 [Camry Hybrids](#) in Georgetown, Kentucky, starting in late 2006.

Following quickly on the heels of that announcement, came two notices from Germany. First, a Volkswagen spokesman told Automotive News it is considering a "mild hybrid" version of the Jetta. Then, Porsche released details about their plans to offer a Cayenne Hybrid when it comes time for a redesign next year. Perhaps Porsche is hoping to bolster sales of the luxury SUV, which dropped by more than a quarter in the first four months of this year.

Nissan is stepping more boldly to the hybrid plate by setting a goal of selling 50,000 units of its 2007 Altima Hybrid. Tadao Takahashi, Nissan's executive vice president in charge of global manufacturing, said, "We'd like to catch up" with other automakers. According to AutoNews, the Altima Hybrid is very likely to be built in the United States, sending the prospective number of hybrids "made in the U.S.A." even higher.

Finally, Lexus announced that, starting late next year, it will introduce the LS 600hL, a long-wheelbase luxury V8 hybrid sedan. The "600" in the name refers to Lexus's claim that, when the V-8 gasoline engine is mated to an electric motor, it will have the equivalent power of a 6.0-liter engine.

HybridCars.com Price Pulse

If you haven't checked out our self-service pricing reporting tool, click over now:

<http://www.hybridcars.com/pricepulse>.

In May, hybrid shoppers told us how much they are paying, and how long they are waiting for their desired hybrids:

Ford Escape Hybrid Average Price: \$27,750 Average Waiting Period: 0 weeks	Honda Civic Hybrid Average Price: \$19,850 Average Waiting Period: 0 weeks	weeks Average Deposit: \$500 norm
Honda Accord Hybrid Average Price: \$30,625 Average Waiting Period: 3.5 weeks Average Deposit: \$750	Lexus RX400h Average Price: \$50,150 Average Waiting Period: 37	Toyota Highlander Hybrid Average Price: \$37,625 Average Waiting Period: 6 weeks Average Deposit: \$625

Toyota Prius
Average Price: \$25,650

Average Waiting Period: 12

weeks
Average Deposit: \$500

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EAA Current Events Monthly newsletter of the Electric Auto Association
Subscription rates: \$39 per year (\$45 foreign), includes a subscription to the EVAOSD
Newsletter. Please send directly to EAA using form found at membership@eaaev.org

Current subscribers have borrowing privileges for the association's video tape and publications library.

Subscribing to the newsletter is optional and is not a requirement for membership.

EVAOSD meetings are always open to any and all interested parties.

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(Please print clearly.)

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Work Phone (optional) (_____) _____ - _____

Cell Phone (optional) (_____) _____ - _____

Email address _____

Please make check or money order payable to: EVAOSD.

Send this form and payment to: Russ Lemon, EVAOSD Treasurer.



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