



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 R.T.C. (Pearson Plus), at 4001 El Cajon Blvd. and Interstate 15
Place: In the Autotorium
Next Meeting: Tuesday, October 25, 2005 @ 7 p.m.
Subject: Three-wheeled EV for the road and built here in San Diego County.
Speakers: Keith Vansickle and his students from Ramona, CA

The President's Message

Our September meeting was an opportunity to see the Enigma (a bio-diesel hybrid that achieves 80 MPG & 0 to 60 MPH in 7 seconds) from SDSU in operation and four of the thirty in attendance were able to ride or should I say fly in this fast rocket. I saw the Enigma again on the evening news on October 14 and I am sure that we will be seeing and hearing more about Dr. Jim Burns (EVAOSD VP) and his students from SDSU as they progress with the Enigma and the Challenge X (involving 17 of the elite US colleges). In summary yours truly (the President) and three raffle winners were able to ride in the Enigma. This raised \$30 which nearly covered our printing and postage for the month of September. If you missed the meeting I encourage to take advantage of your next opportunity to support SDSU and their efforts to make our vehicles current and watts better, "it's an EV thing."

Since our meeting we have had an EVentful month. In summary a New York Times cover story on the Enigma, on October 14 a press conference was held in Poway where "Clean Cities" celebrated "Beyond A Billion Gallons of Petroleum Displaced", Judy Bishop of SD Ecology Center was on the east coast demonstrating their hybrid maze to a national conference and I was able to travel to Dearborn for a discussion about future development of Ford hybrid products.

For our October meeting we will be starting outside again (to see a small fleet of EV Trikes) during our last meeting with daylight-savings time and hearing from member Keith Vansickle and his students from Ramona, CA. Keith has not been able to attend some of our meetings as he is teaching classes in Ramona during our meetings. However knowing Keith (who was able to attend the past two All Chapter EAA meetings) and his interest in the latest technology opposed to the same old stuff from the '90, this will be a productive meeting. Keith has shared some photos and we appreciate that he is taking the time to bring a small fleet of EV to our meeting.

I look forward to seeing you at our meeting on Tuesday, October 25, 2005 @ 7p.m. The meeting will be at the RTC (Regional Transportation Center), [starting outside then moving in to the autotorium] located on the southwest corner of the main building.

Note: If you arrive late the building may look dark and closed for business. We meet after normal business hours in the "Autotorium" and the public is welcome to attend our meetings.

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:

10/24 Ford's Hybrid Patrol to speak in Los Angeles

10/25 EVAOSD Meeting; Keith Vansickle and a fleet of three-wheel electric vehicles.

11/2-3 CA Bio-diesel Issues & Answers
<http://awmasandiego.org/>

11/14-18 CA to Host 2005 Fuel Cell Seminar – Palm Springs, CA <http://www.fuelcellseminar.com>

11/22 EVAOSD Meeting

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

Beyond a Billion: San Diego Regional Clean Cities Coalition Celebrates Nationwide Petroleum Savings

POWAY (October 14, 2005) - *San Diego joins Clean Cities coalitions across the country today to celebrate displacing more than a billion gallons of oil. The San Diego Regional Clean Cities Coalition estimates that more than 2,000 vehicles are operating on alternative fuels in the San Diego region, including at least 750 buses and trash trucks. Together with more transit use, ridesharing, and other creative transportation alternatives, these strategies are saving fuel and promoting cleaner air.*

Through similar efforts across the country, the federal Clean Cities initiative has reached the nationwide milestone of displacing the equivalent of 1 billion gallons of petroleum, enough gas to fuel 2 million cars for a year. By helping communities to use less oil, the Clean Cities coalitions are improving the nation's energy, economic, and environmental security. "We look forward to going 'beyond a billion' in coming months and years with more public awareness and more innovative programs for fleet conversion and creative transportation solutions," said Greg Newhouse, the chairman of the San Diego Regional Clean Cities Coalition.

As part of Clean Cities coalition events nationwide to commemorate the "billionth gallon saved," the San Diego Regional Clean Cities Coalition (www.sdrafvc.org) is meeting with media at the CNG fueling station for the Poway School District to mark the opening to the public of this facility as a place to refuel CNG vehicles.

A variety of clean-fueled vehicles were onhand to showcase the steps being taken in the region to save fuel, including:

- ⊖ Honda Natural Gas Vehicle from Pacific Honda, along with a new appliance that allows for home fueling
- ⊖ Fuel-saving vehicles named Enigma and Equinox that were built by students at San Diego State University
- ⊖ Flexcar, the network that offers instant access to cars without the need to own one
- ⊖ A CNG-fueled bus from Poway Unified School district powered by John Deere
- ⊖ A CNG-fueled Bluebird Bus from the UCSD Fleet
- ⊖ A CNG Bus from the Metropolitan Transit System

"By passing the billionth gallon milestone, Clean Cities coalitions have shown they are making a difference on a local level and a national level. While our thirst for oil puts our economic and energy security at risk, Clean Cities coalitions across the country are demonstrating options that work," Newhouse said.

The U.S. now imports approximately two-thirds of the petroleum it uses. At \$68 per barrel, this amounts to approximately \$300 billion per year for imported petroleum. (About \$200 billion of this is for the transportation sector alone.)

Clean Cities, part of the U.S. Department of Energy's Energy Efficiency and Renewable Energy Office, builds strong, self-sustaining partnerships with industry, stakeholders, fleets, fuel suppliers, and business partners with the goal of decreasing petroleum use. The nation's 88 Clean Cities coalitions focus on alternative fuels and alternative fuel vehicles, hybrid electric vehicles, fuel blends, heavy-truck idle reduction applications, and general fuel economy improvements to help reduce the nation's need for imported oil. For more information on Clean Cities, visit the web site: <http://www.eere.energy.gov/cleancities>

The San Diego Clean Cities Coalition is a balanced partnership of public, private agencies, businesses and interested citizens dedicated to reducing the San Diego Region's dependence on conventional petroleum-based fuels in order to improve the region's air quality.

Jan Cortez, Vice President for Environment at the American Lung Association of San Diego & Imperial Counties, noted that "the majority of San Diego's air pollution comes from mobile sources like cars and trucks. Burning petroleum-based fuels contributes to local air pollution and hurts our children's lungs. For San Diego County to meet all clean air standards, it is important to increase use of cleaner fuels in our community."

CA Air Resources Board (CARB) votes October 20 to maintain or roll back transit bus emission standards...

In 2000, CARB adopted new standards reducing emissions to 0.2 gram NOx for all new transit buses statewide beginning in 2007.

Now CARB is considering rolling back the standards to 1.2 grams NOx emissions or **six times the pollution** that the current rules would allow.

The current rules were put in place to reduce emissions from buses to help address California's worst-in-the-nation air pollution problems. The rules have always been fuel-neutral and have not required transit authorities to purchase a specific type of bus, rather any bus that meets the standard.

Since the rules were adopted, sound progress has been made in developing bus-engine technologies that pollute less. This is exactly the outcome CARB hoped to achieve when the rules were adopted. Cummins Westport and John Deere Power Systems, for example, have already announced engines that will meet the 2007 standard.

Nine out of 10 Californians now breathe unsafe air. In fact, since the 1990s, air quality has become measurably worse. **CARB should leave the existing standards in place.**

If you agree, fax your comments to 916-322-3928 addressed to: Clerk of the Board, Comments on Agenda Item 05-10-2. Or call CARB at 800-242-4450 and tell them what you think.

Switching Gears and Going Electric

Commuter Ditches Car for E-Max Scooter

October 17, 2005

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**No More Gas Pains for E-Max Electric Scooter Owner**

-- Make the Switch and Ride into the Electric Future on a Clean, Quiet and Reliable E-Max Scooter

Greetings!

David Wiley has found a great new way to relieve 'gas pains'. He sold his car and now rides his **E-Max electric scooter** to work. It's no secret - E-Max electric scooters are fun, fast and extremely economical. Whisper quiet. Low maintenance. Zero emissions. No fuel. You're lookin' good, David.

## **Dave Cultter says... Make the Switch and Ride into the Electric Future on a Clean, Quiet and Reliable E-Max Scooter**

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David sold his car in August and has since used his [E-max electric scooter](#) and an electric-assist bicycle to travel to and from work. "I just wanted to go electric to do something more environmentally friendly," he said. (Longmont Daily Times - Oct 12, 2005) Article [link](#):

It's no secret - E-Max electric scooters are

fun, fast and extremely popular. Get in touch today so we can help you get plugged in with your own E-Max electric scooter. Whisper quiet. Low maintenance. Zero emissions. No fuel. (Silver, Blue, Red, Dark Red, Black, Pink, and Yellow).

Wiley said one of the biggest reasons he decided to make the transportation shift was to reduce expenses and consume fewer natural resources.

Watch an [e-max in action](#) video (12MB) filmed in sunny San Diego, California. E-Max scooters can easily accelerate to speeds of up to 40 mph and will cover a 35-40 mile range on a single charge of their environmentally safe silicone batteries. Ample power, good range, fair price, get going!

10/25 @ 11:30 a.m. for the A&WMA Meeting "Upcoming Issues for Biodeisel Fuel"

Gregory Newhouse will give a preview of the California Biodiesel Symposium being held on November 3rd & 4th by the San Diego Chapter.

Mr. Newhouse is presently an Associate Dean in the School of Technical Careers and Workforce Initiatives and is responsible for directing the Advanced Transportation Technology Center (ATT) at the San Diego Miramar College campus. As Director for one of ten California Community College ATT Centers dedicated to promoting advanced transportation technology, Mr. Newhouse addresses the development of technology training programs for alternative fuels and new transportation technologies new transportation and alternative fuel technologies in the San Diego region. These programs can be either on campus or on location depending upon specific company needs. Also, in concert with being a Board Member of the San Diego Regional Clean Fuels Coalition, his role is that of the Clean Cities Coordinator for the region – connecting federal and state energy programs with alternative fuel vehicle users and fleets.

Prior to working at San Diego Miramar College, Mr. Newhouse directed the Environmental Protection Office, Energy Facilities Siting Division of the California Energy Commission. He has also been the initial Executive Director of the San Diego Regional Energy Office during which time he established and managed the newly created non-profit organization.

Schwarzenegger signs many green bills into law, vetoes a few

California reaped a green bonanza last week, as Gov. Arnold Schwarzenegger (R) signed more than 30 wide-ranging environmental bills into law. One with potential for nationwide impact will mandate that all new cars for sale in California be stickered with information on how many tons of greenhouse gases they emit, starting in 2009. Others will prohibit sewage dumping from commercial ships within three miles of the shore, ban use of experimental pesticides around schools, phase out mercury in industrial switches, and require cosmetics companies to tell state officials if potentially toxic chemicals are used in their products. However, the Governor vetoed four of the 10 bills the state Sierra Club deemed top priorities, including one that would establish a program to track toxic chemical levels in the bodily fluids of state residents. "This continues his mixed record on environment," said Sierra Club's Bill Magavern. "Not terrible, not great. He could have done better."

straight to the source: [The Mercury News](#), Paul Rogers, 09 Oct 2005

straight to the source: [The Mercury News](#), Paul Rogers, 07 Oct 2005

From hybridcars.com UPDATES What's Selling

We're in a holding pattern on the number of available hybrids. There are 10 on the market, and number 11 is not expected for several months. Here's a "cheat sheet" to help you decide from the current list:

Maximize mileage – Honda Insight

Make a political statement – Toyota Prius

Luxury is essential – Lexus RX 400h

Built for speed – Honda Accord Hybrid

Need to haul 7 people – Toyota Highlander Hybrid

Pure practicality – Civic Hybrid

Most efficient SUV – Ford Escape Hybrid or Mercury Mariner Hybrid

Fuel efficiency in V8 pickup – Chevrolet Silverado or GMC Sierra

Sorry, no minivans or convertibles.

San Diego's Solar Energy Week Draws Record Numbers

Close to 3,000 people participated in San Diego's first Solar Energy Week held from Sept. 25 to Oct. 1. A variety of packed events brought businesses, residents and policy makers together for a week of learning about solar technologies, regulations, trends and obstacles. Even kids and their parents learned about the power of the sun during Family Solar Energy Day at the R.H. Fleet Science Center.

Southern California transit agencies lose 'diesel option'

The California Air Resources Board has eliminated a "diesel option" for transit agency operators when it comes to purchasing new vehicles. Under the change, Southern California transit agencies with 15 or more buses can only purchase alternatively powered vehicles.

Source: *Los Angeles transit agencies lose 'diesel option', The Daily Breeze*

Cars that guzzle grass

Alternative fuels such as natural gas and biodiesel are helping the DOE realize its goal of commercially available hydrogen-fueled vehicles by 2020. These alternative fuels could reduce America's dependency on foreign oil and radically reshape the country's economic landscape.

Source: *Cars that guzzle grass, The New York Times Magazine*

The following news stories are can be found on the EVAOSD website, starting on page 7 of the October, 2005 Newsletter.

ZAP Attracts Distinguished International Finance Executive; Max Scheder-Bieschin Named as ZAP Executive Vice President.

Farmers Insurance Group of Companies Announces Hybrid Vehicle Discount in California; Farmers is 1st in Offering Hybrid Insurance Discount in the U.S.

Additional news items can be found on the evaosd.com website. Due to printing and mailing cost we are limited to six pages in our published publication. Additional EV news follows the page on the internet. Send comments and/or news items that you would like to see in this newsletter to bhammon1@san.rr.com.

EVAOSD Newsletter Monthly, 6 pages, covering San Diego County and Southern California
Subscription rates: \$12.50 per year (\$15 foreign, via sea mail) Additional newsletter items can be found on the E-newsletter at evaosd.com.

EAA Current Events *Bi-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.

New Subscribers, please use this form to register to receive the EVAOSD Newsletter.

Current Subscribers, please use this form to send us any change in your details.

PLEASE PROVIDE ALL INFORMATION AS YOU WANT IT TO APPEAR FOR MAILING
(Please print clearly.)

Name _____
First name Middle Last

Title (optional) _____

Company (optional) _____

Address 1 _____

Address 2 _____

City _____ State _____ Zip _____

Home Phone (optional) (_____) _____ - _____

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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ADDRESS SERVICE REQUESTED

Continuation of page 5;

October 18, 2005 06:00 AM US Eastern Timezone

ZAP Attracts Distinguished International Finance Executive; Max Scheder-Bieschin Named as ZAP Executive Vice President

SANTA ROSA, Calif.--(BUSINESS WIRE)--Oct. 18, 2005--Transportation pioneer ZAP (PCX:ZP) announced today that it has named Max Scheder-Bieschin as Executive Vice President to assist in the development of the Company' s longterm strategic business plan targeting growth opportunities in the automotive industry.

Max Scheder-Bieschin is a senior investment banker with an 18-year track record of success in all aspects of corporate finance, including mergers and acquisitions, private placements, as well as debt and equity offerings. He was employed by investment banking firms in the United States and Germany, including Deutsche Bank, ING BHF Bank and Bear Stearns, and during his tenure established a strong client base in the automotive industry. Mr. Scheder-Bieschin speaks German, Spanish and English. Max recently returned to the U.S. after seven years in Germany and settled in northern California with his wife and three children.

"The Board and I look forward to having Max help us manage the roll-out of our high-efficiency automotive portal as well as solidify our recognized position in the personal transportation market," said ZAP CEO Steve Schneider. "We started with the Smart Car and now are excited to be able to introduce new prototypes and production vehicles at next month' s San Francisco Auto Show. With Max on board, we broaden our management team and enhance our ability to execute on our business model."

"I look forward to working with ZAP to address the exciting challenges and opportunities facing the company and society today," said Mr. Scheder-Bieschin. "ZAP has always been a pioneer in alternative transportation, be it in electric scooters and bicycles and more recently as an independent portal for fun, refreshing, environmentally sustainable vehicles. With gasoline prices and global warming, society is finally realizing we are living beyond our means. This, coupled with the many new technologies being developed for electric and higher efficiency vehicles, places ZAP in a great position to successfully execute on its business plan."

"My recent trip with ZAP to visit OBVIO! Brazil I believe highlights the potential we and our partners in sustainable transportation have. OBVIO! is combining European fashion, style and quality with a close to Chinese cost base to build a unique urban car we know Americans want. We saw it with the demand for the Smart Car. And, not only will the OBVIO! offer extremely high mileage, but be able to do so using gasoline, alcohol or any combination thereof without sacrificing performance. In short, there are technologies and know-how outside the U.S. that the American consumer should have access to and we aim to deliver that."

About ZAP

ZAP, Zero Air Pollution(R), has been a leader in advanced transportation technologies since 1994, delivering over 90,000 vehicles to consumers in more than 75 countries. ZAP has a 10-year license with eight and a half years remaining on the technology developed by Smart-Automobile LLC to Americanize the popular European-made SMART Car for the U.S. marketplace. ZAP Americanizes the SMART Car to meet U.S. federal and state safety and emissions standards through registered importers. ZAP currently complies with regulatory requirements in all states except California and four other states. ZAP is not affiliated with, or

authorized by, smart gmbh, the manufacturer of SMART automobiles, or the smartUSA division of Mercedes-Benz LLC, the exclusive authorized U.S. importer and distributor of those vehicles. ZAP purchases its vehicles from non-affiliated direct importer Smart-Automobile LLC. For more information, visit <http://www.zapworld.com>.



Farmers Insurance Group of Companies Announces Hybrid Vehicle Discount in California; Farmers is 1st in Offering Hybrid Insurance Discount in the U.S.

LOS ANGELES--(BUSINESS WIRE)--Oct. 17, 2005--The Farmers Insurance Group of Companies announced it is the first in the U.S. to offer an insurance discount to customers who own a hybrid or alternative-fuel vehicle. The discount amount will be 5% for auto customers in California.

"Customers are opting more for vehicles with environmentally friendly hybrid or alternative-fuel engines, and that trend is expected to continue because of high gas prices and a growing number of hybrid models," said Kevin Kelso, President of Personal Lines at Farmers. "We are happy to offer drivers who are concerned about the environment a discount," added Kelso.

Hybrid vehicles draw power from two energy sources, typically a gas or diesel engine combined with an electric motor. According to R. L. Polk & Co, a firm that collects and interprets automotive information, California tops the list for the number of registered hybrid vehicles in the U.S. In 2004, over 25,000 hybrid vehicles were registered in the state of California -- a 102% increase over 2003. The use of alternative-fuel vehicles -- vehicles that utilize biodiesel, electricity, ethanol, hydrogen, natural gas, and propane -- has also increased in California from 66,366 vehicles in 2001 to 77,761 vehicles in 2003.

"In order to make our air clean in California, it's going to take everyone working together. That means, not just individuals but government and business as well," said Councilmember Eric Garcetti. "We are proud that a Los Angeles-based business is taking the lead in encouraging Californians to drive environmentally sensitive cars."

"The era of the cleaner-burning vehicle is upon us as we're seeing more and more hybrids on our streets and highways," said Councilmember Tom LaBonge. "This program initiated by Farmers Insurance is sure to accelerate the popularity of these hybrids, and I thank them for this great initiative."

The discount, effective October 1, 2005, is for all customers who own a hybrid or alternative-fuel vehicle. All new business customers will receive the discount as of the new business date, and existing customers will receive the discount upon renewal.

The Farmers Insurance Group(R) companies comprise the nation's third largest personal lines property & casualty insurance group -- helping to restore the lives of over 15 million customers when the unexpected happens. Headquartered in Los Angeles and doing business in 41 states, these companies provide homeowners, auto, business, recreational products, life

insurance and financial services to more than 10 million households through 17,000 exclusive and independent agents and district managers. For an agent near you, call 1-800-FARMERS or visit www.farmers.com.

Have You Riven a Ford Lately?

Ford's sustainability chief chats about cars, climate, and eco-campaigns

When it comes to greening business, there are two schools of thought: one praises every millimeter of change; the other says a millimeter is not enough, and pushes for a mile. Lately, Ford Motor Co. has been caught between the two, as some environmentalists welcome its pledges to build hybrids and cut carbon emissions, while others claim those promises are meaningless. Our Full Disclosure columnists ask Ford green guru Niel Golightly what he thinks of all the fuss.

new in Full Disclosure: [Have You Riven a Ford Lately?](#)