Electric Auto Association NEWS

JULY 1986 VOL. XVIII NO. 7

LETS START A CAMPAIGN TO BAN ALL ICES FROM OUR INTRA CITIES, BY FORCED USE OF PUBLIC TRANSPORTATION, ELECTRIC TAXIS & MINI BUSSES. I HAVE A PLAN----CLARENCE---MORE ON THIS LATER.

'Greenhouse effect' will have severe results, scientists warn

Mercury News Wire Services

WASHINGTON — The Earth is likely to become warmer in the next decade than at any time in the last 100,000 years, causing higher ocean and lake levels, shoreline erosion, droughts in some areas and other catastrophic changes, scientists told a Senate subcommittee Tuesday.

The "greenhouse effect" likely will be coupled with deterioration of the ozone level in the Earth's atmosphere, which protects the planet from cancer-causing doses of ultraviolet light, they said.

Scientists over the past six years have discovered an increasing loss of ozone above Antarctica, which they call a "hole" and which continues to grow at an alarming rate.

Sen. John Chafee, R-R.I., chairman of the Senate Environment Subcommittee on Pollution, called on the United States to act internationally before these problems "irreversibly alter the ability of our atmosphere to perform basic life-support functions." He suggested a series of federal and international studies to fill in gaps in knowledge and to alert other nations.

"Ozone depletion and the greenhouse effect can no longer be treated solely as important scientific questions," Chafee said. "They must be seen as critical problems facing the nations of the world.

'Not Chicken Little'

"This is not a matter of Chicken Little telling us the sky is falling," Chafee said. "The scientific evidence is telling us we have a problem, a serious problem."

He compared the lack of progress to the problem of acid rain a few years ago, when "research was a substitute for action."

He asked for further studies by U.S. government agencies, particularly the Environmental Protection Agency and the Congressional Office of Technology Assessment, and by the National Academy of Scientists. He asked the State Department to alert other nations, particularly the Soviet Union and China, both of which burn large amounts of coal. And he urged the United Nations to expand its assessment of the social and economic consequences of climate change.

Disturbing future

The scientists, using a movie and projected slides and graphs, offered a disturbing picture of the Earth's future climate if humans continue to pour industrial gases into the atmosphere, in effect keeping heat from passing into space.

A global warming trend could bring heat waves, dust-dry farmland and disease, the experts said. "Much of what has been predicted, while preliminary, is truly frightening," Andrew Maguire, vice president of the World Resources Institute, told the Senate Environment and Public Works Subcommittee.

The scientists predicted the first strong greenhouse effects will be felt in the next decade when temperatures may rise an average of 1 degree Celsius, or 1.8 degrees Fahrenheit. This would be the warmest the planet has been in 100,000 years, said James Hansen, director of NASA's Goddard Institute for Space Studies.

Temperature rise

Hansen said the average U.S. temperature has risen from 1 to 2 degrees since 1958 and it is predicted to increase an additional 3 or 4 degrees between 2010 and 2020.

He said that with an expected doubling of atmospheric carbon dioxide by 2040, the number of days each year with temperatures over 80 degrees would rise from 35 to 85 in Washington, D.C., and Omaha, Neb.

"Global warming is inevitable. It's only a matter of the magnitude and the time," said Robert Watson, a National Aeronautics and Space Administration scientist concerned with Earth science.

"We can expect significant changes in climate in the next few decades," said Watson, predicting that if nothing is done to slow ozone-depleting air pollution, temperatures around the world could rise as much as 10 degrees.

Atlantic rising

With even a slight increase in global temperature, polar glaciers would melt faster, ocean levels would rise and shorelines would recede, said Stephen Leatherman, director of the University of

SANTA CLARA CHAPTER

SUNNYVALE

14th ANNUAL RALLY SEPT. 20th

It's time to be thinking about SANTA CLARA CHAPTER'S 14th Annual Rally in SUNNYVALE. This year, in an effort to solve some chronic problems and add some variety, there will be a few changes in how the rally is run.

It will be held as traditional, on the third Saturday in Sept. the 20th, at CONTROL DATA parking lot 215 MOFFETT PARK DRIVE, SUNNYVALE, CA. it will begin at 10:00am. From 10:00 to 1:00 will be static display time. This is a time to walk around and view the other cars, talk with other members, and check out exhibits and vendors' displaps. Food and drinks will be available.

During this time will also be registration of the cars, and drivers' and judges' meetings, as well as something new, a TECH INSPECTION. Each car in the rally must pass inspection as "STREET LEGAL", which includes lights, turn signals, etc., as well as SEAT BELTS. The idea of this rally is to display PRACTICAL EVs, which means "street legal". Non-conforming vehicles may participate, but may NOT compete. All 4-wheel vehicles will be required to carry a passenger. During the Tech Inspection, the cars will also be Judged for the Keith Crock Technical Award.

The road rally will begin promptly at 1:00pm and end promptly at 4:30pm. Laps not completed by 4:30 will not be officially counted. The rally committee is working on a MAXIMUM LAP TIME RULE. Cars that exceed the maximum lap time will lose credit for that lap. Again the emphasis is on PRACTICAL EVs.

COURSE:

There will be two courses this year. The Short Course will be the same as used in the '84 rally: 4.1-mile loop without an overpass. The Long Course will exit the short course at Lawrence Expressway and make an 18-mile loop up Hwy. 237 to Milpitas and back, exiting Hwy. 237 onto Mathilda. Drivers may choose either course on any lap. A judge will be stationed at the turnaround of the long course to verify laps. The mixed long and short laps should add some suspense, as no one will know exactly who has the most miles on any given lap.

Wanted: Judges

REWARD!

In past rallies, the all-important judges have worked long hours for little compensation other than a warm glow which later proved to be sunburn. This year that situation will be rectified.

First the long hours are gone. Since the rally will only run from 1:00 to 4:30, with no tiebreaker laps, the time involved is manageable. judges will be required, immediately following the rally, to convene over cold drinks at the Sheraton for about half an hour to complete the scoring. (Having the judges who filled out the lap charts compile the results themselves will relieve a great deal of confusion, frustration, and difficult decisions in the scoring process.)

Second, in compensation for their services, the judges will have their lunches provided on Saturday, and will receive free admission to the Awards Brunch on Sunday

Judges are needed!!! To Volunteer, call Mike Brown, Rally Chairman, at Electro Automotive, (408) 429-1989

THANKS TO PARA

Palo Alto Amateur Radio Asso. for their help in our rallies, and a special thanks to Swede Swenson for setting up radio commuications for our EXPO trip.

This year's rally should provide a better balance of recognition between basic commuter EVs and high-tech long-range EVs, as well as a chance to really test the cars' practicality in performance.

Saturday night, those who wish will be gathering at a local restaurant for dinner. More details on this will be available next month. Sunday morning there will be the symposium, followed by the awards brunch at the Sunnyvale Sheraton. Tickets for the brunch cost $15.00 and are available through Dave Nonis, 1586 Brookvale Drive, San Jose, CA 95129. Please make your reservations early.

For more rally information, call Mike Brown, Rally Chairman,at Electro Automotive, (408) 429-1989.

See you there!

Maryland's Laboratory for Coastal Research. Along the U.S. coast, the Atlantic Ocean already has risen one foot in the last century, Leatherman said.

Leatherman said that in the last 100 years the sea level has risen about one foot, with about half the increase attributed to global climate warming.

A 1-foot rise, he said, generally will produce 100 feet of shoreline erosion on the Atlantic and Gulf of Mexico coasts. "Within the next 40 to 50 years, sea level will probably have risen by a foot, resulting in major impacts to coastal environments," he said.

Under this scenario, the resort town of Ocean City, Md., will lose 39 feet of shoreline by 2000 and a total of 85 feet within the next 25 years, according to Leatherman.

Ominous signal

The scientists, calling for air pollution curbs, said a recently completed five-year study in Antarctica provides an ominous signal to the world. They said that during that period, the ozone loss over the South Pole ranged from 30 percent to 50 percent.

Watson showed the senators a film using satellite photographs of the ozone layer above Antarctica. The movie showed the emergence of a growing "hole" in the ozone layer appearing annually in the antarctic spring — October — for the past six years. No scientific model had predicted the loss of ozone and its cause remains a mystery, Watson said.

"It is not yet evident whether the behavior of ozone above the antarctic is an early warning of future changes in global ozone or whether it will always be confined to the antarctic because of the special geophysical conditions that exist there," Watson said.

CANADIAN ELECTRIC VEHICLE EXPOSITION

INTERNATIONAL Rally
BELLINGHAM WA

EVERYONE IS WELCOME to join us at the University of Western Washington, 9 a.m. Monday August 11th. for the first of a full week of exciting events.!
YOU NEED NOT PARTICIPATE IN ANY OTHER EVENT!!
WE NEED A SHOW OF INTEREST to indicate the success of moving our international rally to other locals in the future.
THERE WILL BE MERCHANDISE PRIZES ($1,000), beauty contest--cars that is,-- and an EV show at BC Hydro Research Center, in Surrey BC.
If you wish to show your car at EXPO and do not have an application you must call George McCrae immediately. IT MAY BE TO LATE!
(604) 663-3347 days (604) 987-7792 Eve.

@GEL/CELL BATTERY
At the Department of Energy meeting, Walt Dippold of the DOE EHP branch described the latest stage in the demonstration/testing of the gel/cell battery. Made by the Globe division of Johnson Controls Inc. (JCI), this lead-acid battery has a gelled electrolyte. "Bench and fleet tests have shown a substantial gain in range and life over other US golf car batteries. This is in addition to the other advantages: total freedom from watering, corrosion clean-up and after charging smells." Freedom from watering means a great saving in labour costs which were among the early promises of EV's. Dippold said that within a year, the gel/cell batteries will be a commercial product with no need for government support. The Japanese say that by 1990 there will not be a flooded electrolyte battery in an automobile, Walt concluded.
Source: ALTERNATIVE ENERGY TRANSPORTATION DECEMBER 1985, VOLUME 7 NO. 5

EV Marketplace

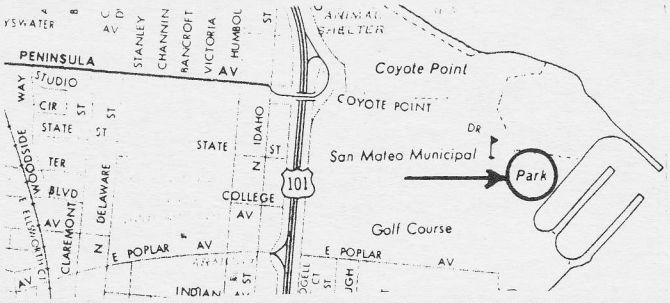
FOR SALE
1982 LECTRA D-100 (DATSUN) Pick-Up, 108 Volt, Less than 200 original miles, Like New, Bargain Priced @ $2995. CALL: (414) 652-0750, Kenosha, WI

CANADA FUND
THREE MANUALS FOR $100 DONATION; BY BILL WILLIAMS, CLARENCE ELLERS, & WALTER LASKI: 2892 Mesquite Dr. Santa Clara, CA 95051

WHATS HAP'N

PENINSULA:

NO REG. MEETING; ANNUAL PICNIC AT COYOTE POINT SAT. JULY 12TH FOR INFO CALL MAE (415) 992-5453.



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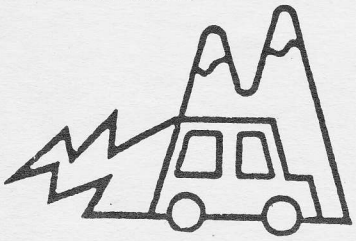

DEVC

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JULY 26 & 27TH

S.E.V.A. SEATTLE ELECTRIC VEHICLE ASSOCIATION

Rally

GREEN LAKE

JULY 27th

CALL (206) 542-5612

EAA CHAPTERS
Call the contact person for meeting times and places.

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Greg Whitney 602 978-3380
ARKANSAS: Little Rock Chapter
B.S. Boykin 501 562-0252
CALIFORNIA:
Bakersfield Chapter
James Peters 805 393-1749
Concord: Contra Costa Chapter
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Los Angeles: Burbank Chapter
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