



ASTRO S.A. Inc

HELPING TO SAVE THE PLANET



DECEMBER 2006 Newsletter

PETER'S PAGE October 13th 2006

Chris... opened the meeting at 8.01pm with a welcome to all.

BrianD ... introduced Dr Brian Hardy as our first guest speaker for the night. They had met at the Psychic Fair ASTRO/Water stall.

Brian ... said that he started work in 1972 in England as an animal nutritionist and has worked on pig nutrition ever since. He works a pig consultant in Australia for his company, Nutri Vision Australia Pty Ltd (Website: nutrivisioninc.com). He said that water is a key nutritional component for pigs, and he said that he was interested in how cleaner water would affect them. He wanted to develop a liquid feeding system (mixed from dry stock to save on weight) and asked if anyone had any ideas.

Peter ... said that he had worked with pigs and even rebuilt piggeries. He said that electrolysed water might be useful. The oxygen rich component would be useful for cleaning the styes and even washing the pigs down. It acted as a totally safe disinfectant. The hydrogen component of the water could be used to water the pigs and mix in with their food. Peter said that this would alkalize them as the high grain content of their feed tended to acidify them.

Brian ... thought that might be a good idea, commenting that acidic pig meat was a problem.

Andrew ... Said that on the last Catalyst TV program they had an article on fermenting almost anything to produce ethanol, as an alternative fuel. He also mentioned a movie that was coming, called "Who killed the electric car". He added that the synthetic oil that he ran in his car had improved his fuel efficiency from 28Mpg to 30Mpg, averaged

over the last 36 months.

Ken ... Said that he had increased his fuel economy by increasing his tyre pressure to 40Psi. This led to a short discussion on the pros and con of tyre pressure.

Chris ... Introduced Timothy Dwyer as the second speaker. He had also come across ASTRO at the Psychic Fair. He was interested in alternative fuels and photovoltaics.

Ken ... said that compressed natural gas (CNG) had been in use in New Zealand for the last 40 years and adding that we export CNG for 6cents/litre, and that 1/3 of the Sydney bus fleet now runs on CNG, so why not use it in cars in Australia?

Tim ... mentioned Alan Carpenter – cheap power from cheap gas.

Ken ... said that he had seen on TV an Australian (in Queensland) who had been driving around on CNG for 20 years.

Chris ... said that new high pressure carbon fibre bottles today offered a light and relatively cheep means of storing the CNG.

Tim ... Said that in 1959 he had built car, with the help of his father, which ran on compressed air. He said that he gave the idea to a visiting French professor, and that his idea is now on the internet in France, as in air powered vehicles. He said that in 1982 he set up a methane plant in a piggery to heat it. It worked well until it blew up. Since then, he said, he had been fiddling with hydrogen supplementation into triple Kenworth trucks, getting on average a 7% improvement in fuel efficiency. He also said that he was getting 27% better mileage on a Camry and that he had applied for a grant to further develop it, saying that he had a patent pending on it.



that by Christmas we should have a 500 gig DVD video library.

Matthew ... moved a motion that we write a \$600.00 cheque for Ashley (in appreciation for his work on the video library). This was seconded by ken and passed.

Ashley ... asked if anyone remembered the firestorm sparkplug. He said that it had a dome head and created a plasma discharge upon firing. This caused an almost complete fuel burn, improving the efficiency and economy. It was believed that it had been held back from production because of oil company pressure.

Chris ... offered a suggestion as to self manufacture of this style of sparkplug using a standard long reach plug and cutting the porcelain back.

Ken ... mentioned a note from Jim in USA about an over-unity invention by Hungarian professor Szabo. The patent and patent-pending Energy-by-Motion (EBM) machine he developed runs itself using a principle of magnetic flux, and has enough juice left over to run other things. A unit capable of putting out 15 megawatts equivalent of power, for example, would produce around 10 megawatts net to the end user. The unit will run continuously, with no input fuel, until it is turned off. See ...

<http://www.pureenergysystems.com/> Ken also produced his latest invention; an ultra-bright LED stroboscope, using an ingenious program on his microcontroller to strobe the LED's at 16Amps for less than 200 micro seconds. He was also doing a program for a dynamometer to test Warwicks new // path motor output power.

Peter ... produced a new book for the ASTRO written library; The Secret World of Magnets; an update of Howard Johnson's book by Tom Bearden. He also wrote up the Webb site of water from the air and a range of water de-salinators, saying that one of the inventions, a patented technology by Dr. Cluff, can desalinate water without using chemicals at just \$300 / acre-foot; producing 60,000 gallons per day, recovering salt and minerals valued at up to \$600 per acre-foot. See Webb site ...

<http://freeenergynews.com> (do a search on "water") and you will get ...

Tim... said that in using Hydrogen as a fractional fuel there was a minimum 10% gain in economy and a 10% reduction in emissions. He said that with LPG he used 7 litres/ hour of hydrogen to get 18% improved economy. For the same he got 20% improvement in economy in a petrol car. Tim also said that he had a very efficient air intake which supplies air at 2 degrees centigrade.

Michael ... asked how he generated his hydrogen.

Tim ... said that he generated it by electrolysis, using 11 amps to generate 50 litres of gas per hour at 11 Psi. He said that another trick that he used was to wash his gas with a water atomiser to remove the caustic electrolyte, as this destroyed the aluminium heads if you didn't. He had been experimenting with this since 1998.

Tim ... also had another passion; the Australian Constitution. He explained quite a bit about our unknown and almost secret constitution, saying that it is the only legal document in our High Court. He recommended that we all go to the library and ask to see the full Quick and Garran version of the Constitution.

Ashley ... said that he had worked his way through the first box of VHS library videos, converting them to DVD. There were quite a few missing ASTRO VHS videos and Ashley asked that they be returned so that they also could be converted to DVD. He said

<http://cleanwaterproducts.com/seawaterprod.html>



Anthony ... produced a very nice stainless steel vegetable peeler that he had made.

Chris ... thanked our very entertaining guest speakers and closed the meeting at 10.50pm.

Until next meeting

Peter

Global Warming comments.

From: <http://www.prisonplanet.com>

Space.com: Global Warming on Pluto Puzzles Scientists

In what is largely a reversal of an August announcement, astronomers today said Pluto is undergoing global warming in its thin atmosphere even as it moves farther from the Sun on its long, odd-shaped orbit.

- Space.com: New Storm on Jupiter Hints at Climate Change

The latest images could provide evidence that Jupiter is in the midst of a global change that can modify temperatures by as much as 10 degrees Fahrenheit

on different parts of the globe.

Associated Press: Study says sun getting hotter

Solar radiation reaching the Earth is 0.036 percent warmer than it was in 1986, when the current solar cycle was beginning, a researcher reports in a study to be published Friday in the journal Science. The finding is based on an analysis of satellites that measure the temperature of sunlight.

- London Telegraph: The truth about global warming - it's the Sun that's to blame

Global warming has finally been explained: the Earth is getting hotter because the Sun is burning more brightly than at any time during the past 1,000 years, according to new research.

From:

www.oregon.gov/ENERGY/RENEW/Biomass/biofuels.shtml

How do you extract oil from the oil seed crop?

The two main processes for extracting oil from seed feedstock are mechanical press extraction and solvent extraction. In mechanical press extraction, the oil seed feedstock is first heated to about 110° F. The oil seed is then crushed in a screw press. After most of the oil is removed, the remaining seed meal can be used as an animal feed.

The solvent process extracts more of the oil contained in the oil seed feedstock but requires more costly equipment. The process uses a solvent to dissolve the oil. After extraction, a distillation process separates the oil from the solvent. The solvent condenses and can be recycled and reused in the process. Solvent extraction produces vegetable oil with a higher degree of purity than the mechanical press process.

Vegetable oils, such as rapeseed, corn or safflower, can be used as a diesel fuel without further processing. However, the process of transesterification reduces the high viscosity of vegetable oil, resulting in a higher-quality fuel. In the transesterification process, vegetable oil reacts

with alcohol (methanol or ethanol) in the presence of a catalyst. When rapeseed oil is the feedstock, the products of the reaction are glycerol and rapeseed methyl or ethyl ester (RME or REE). As biodiesel fuels, RME or REE can be used straight or in a blend with petroleum diesel.



Above: Man's best friend, special guest November.

PETER'S PAGE November 10th 2006

Chris ... opened the meeting at 8.03pm with a welcome to all. He said to remember that the next meeting was competition night and reminded us that the Mind Body Expo was coming up next June and that we should soon start thinking about it. He asked members for their opinions on our exhibition at the last Expo.

Ken ... said that he thought the site was OK and that we should get 2000 magnets and bits of pipe to sell. He also commented that he thought that we should get a double stall next time.

Andrew ... said that he would see whether ECOVORTEX will contribute to the stall like last year.

Peter ... said that we need to have Devashon demonstrating how he can stop the magnet in the tube by willpower!

David ... suggested that we have an ASTROSA business card, with aims, objectives and a map to give away to hopeful new members.

Bob ... said that we need plenty of things to show.

Ken ... passed around a layout plan of next year's stalls and asked for a decision this night as to whether we should book for the next Expo or not.

Matthew ... stated that we were going to need to get quite a few ASTROSA people there to help on the stall.

Chris ... asked whether we were in agreement to book the stall or not. The answer was yes!

Ken ... produced a DVD sent from RonE on a water-car plus a talking book.

Chris ... Said that this car was a Stanley Meyer spin off, a plasma cutter.

Ken ... said that he had been working with Warwick on his flux switching motor and has been making a dynamometer, consisting of aluminium disks and magnets, (eddy current braking), and a load cell to test it. He has also made up an accurate Hall Effect flux meter (calibrated to 900 Gauss). He said that using ferrite rods, he could easily detect the earth's magnetic field – approx 0.4 Gauss.

Chris ... said that the true magnetic pattern of magnetic filings was four o's in a square.

Hans ... said that the water whirl Australian patent was in the Weekend Australian September business section, page 34 Kouris Centri Turbine (KCT).

Bob ... produced a beautiful set of mirrors in a wooden frame, set at 90 degrees to each other, that he had made. He explained that normal flat mirrors invert and when we see ourselves, the image is not what we thought it should be and writing is reversed. With his two mirrors, the writing is correct, but if you touch your face or eye, it is reversed to what you

would think.



George ... said that he had done a special engineering report on the cost of being green, in which he had to test a water wheel. It was only 28% efficient and had cost a lot of time and money to build. Green is not always green!

Andrew ... said that he had changed the oil in his van gearbox to synthetic oil –now giving 10% more economy. He then tried an ECOVORTEX unit on the diesel fuel and it also gave a 10% improvement in economy as well as the exhaust smoke had stopped. He said that as oxygen has a negative charge and the EV generated positive charged fuel the burn was more efficient. He added that this might be why positive earth vehicles had good fuel economies.

Michael ... produced some odd inventions that he had been working on, including a cosmic induction device. Quite interesting.



Uli ... had been to the Las Vegas motor show and spotted a vapour fuel car with a 92 mpg economy and a 0 – 60 mph in 5 seconds performance. It conformed to the 2005 pollution standards. See Webb site vapourfuelcar.com for more info.

Matthew ... mentioned the Reva electric car which was doomed for destruction because the government could not classify it. He said that Europe had three classifications (unlike our two) and thus could classify it and use it legally on their roads. (We seem to be getting sillier by the year).

RonE ... said that in Brisbane a guy brought in a device that was fitted and tested on a bus. It successfully reduced the smoke and also improved the economy by 10%, but BP objected and the device had to be removed. (Jolly green of them). He had also come across a shop that had all sorts of gear that might interest ASTRO members. See www.aulec.com It is at 654 South Rd Glandore SA. He was also doing super learning exercises to baroque music.

Ron added that the group in Byron bay was successfully producing energy from a Joe cell and that all OCR was designed for 300 dpi scanners.

Ashley ... thanked Marco on behalf of the group for donating a brand new Epson colour printer. This was to be used for printing DVD labels etc. He also mentioned that an incredible new battery had been developed. It was half battery and half capacitor.

The meeting closed at about 10.45pm followed by supper.

Cheers Peter

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