

IF PLANES, WHY NOT CARS?

For many years now, even prior to the Madder n Hell series and the Howlin Wolf Studio website, we have been howling about and advocating for alternate sources of energy including Commercial Algae.

Herein are some excerpts from an article in the Tuesday 27 January, 09 edition of the USA Today newspaper, where algae are being hailed as the savior of the airline industry. Please allow me to quote some lines from that article, and make some accompanying comments.

PLEASE NOTE: COMMENTS ARE IN RED, BOXES AND CAPS.

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Tuesday, 27 January, 2009

“Which of these could fuel a jet?”

By Dan Reed – USA Today

“HOUSTON – Chickens can’t fly very far. But chickens – or the fatty parts left after processing – could be powering jet flights across the country and around the world in the next few years.

Or maybe it’ll be algae, essentially pond scum, fueling them...

Airlines, airplane and engine makers, the fledging synthetic and biofuels industry, the U.S. government, environmentalists and even the big oil companies are working together to develop alternative fuels from these and other sources. Their goal: to replace a significant portion of the 19 billion gallons of kerosene that U.S. carriers burn in their planes each year and to do it by the end of the next decade.

THIS IS CERTAINLY A WORTHY GOAL BUT REMEMBER, ABOUT 80% OF THE OIL USED IN AMERICA IS FOR THE GROUND-BASED TRANSPORTATION INFRASTRUCTURE – THE CARS AND TRUCKS ON THE ROAD EVERY DAY.

The U.S. Air Force is also pushing development. By next year, it wants all of its planes certified to operate on a 50/50 mix of conventional jet fuel, known as Jet A, and alternative fuel. Air force generals don’t want their planes grounded by a geopolitical event that pushes oil prices through the stratosphere or stops the flow of foreign oil.

WE HAVE TO KEEP THE WAR MACHINE GOING, RIGHT, EVEN IF NO ONE CAN AFFORD GASOLINE TO DRIVE TO SCHOOL OR WORK?

The alternative fuel industry only now is beginning to move beyond the research-and-development stage into commercialization. Yet, enough

progress is being made that it's safe to say it won't be long before Air Force pilots and commercial travelers will be flying in planes powered, in part or entirely, by synthetic or biofuels.

"We're looking at five year time horizons, not 20-year time horizons," says Continental Airlines CEO Larry Kellner.

IN SEVERAL DOCUMENTS ON THE USA-ENERGY INDEPENDENCE.ORG WEBSITE YOU WILL SEE THAT WE HAVE BEEN SAYING THAT IT IS POSSIBLE TO MAKE AMERICA ENERGY INDEPENDENT IN EIGHT YEARS. IT'S NICE TO SEE SOMEONE AGREEING WITH THAT PREDICTION.

Earlier this month, Continental took a Boeing 737 up for the USA's first test flight of a jet burning a mixture of conventional fuel and biofuels ... a 50/50 mix of Jet A and biofuel ... partially derived from algae

Burning biofuel from plants ... can cut a jet's carbon emissions ... Although they (biofuels) emit carbon dioxide when burned, biofuels leave in the atmosphere only what the plants they're made from had absorbed. ... They also emit less nitrous oxide and particulate pollutants.

LOOK AT THAT SENTENCE – "(burning) biofuels leave in the atmosphere only what the plants they're made from had absorbed" – ISN'T THAT AMAZING? THINK ABOUT IT. A PLANT, WHILE GROWING, ABSORBS CARBON DIOXIDE FROM POLLUTANTS SUCH AS BURNT FOSSIL FUELS, AND THEN WHEN THE PLANT IS CONVERTED TO BIOFUEL AND USED TO POWER AN ENGINE, IT ONLY EMITS THE CARBON DIOXIDE IT ABSORBED DURING IT'S LIFE CYCLE. THAT'S A WONDERFUL ENDORSEMENT FOR BIOFUELS RIGHT THERE!

... the plane's right engine (using the 50/50 mixture) burned noticeably less fuel than the left, which ran on pure Jet A.

IN OTHER WORDS, THE ALGAE BIOFUEL MIXTURE WAS MORE EFFICIENT RESULTING IN COST SAVINGS.

... In 2008 the big U.S. airlines burned about 19.6 billion gallons of jet fuel ... That's nearly \$58 billion spent on fuel. A 5% reduction in fuel burned ... translates into \$2.9 billion in savings. ... U.S. airlines have reported net annual profits of \$2.9 billion or more only six times in their history.

THAT MEANS THEY CAN REALIZE AS MUCH, OR MORE, IN ANNUAL FUEL SAVINGS AS THEY MAKE IN PROFITS, SEE WHY THEY ARE GUNG-HO ABOUT THE POTENTIAL OF ALGAE?
OKAY, IF IT WILL WORK FOR A FIGHTER JET OR BOEING 737, WHY AREN'T WE USING IT TO POWER OUR CARS AND TRUCKS? MORE ON THAT IN JUST A MOMENT.

Biofuels offer other potential savings. ... The European Union has pending legislation that would require airlines that fly there to pay through a pollution-allowance trading system if they emit too much greenhouse gas. Continental won't say how much it could save if burning alternative fuels can help it reduce its emissions and avoid paying European penalties. ... But Barry Cohen, who heads the National Algae Association, a new trade group promoting algae production, says it's plenty. "It's in the hundreds of millions of dollars a year, per carrier potentially, he says. Such penalties, on top of high fuel prices, threaten airlines' financial survival, he says.

"Threatens their financial survival." HEY, OUR WHOLE COUNTRY'S FINANCIAL SURVIVAL IS THREATENED IF WE DON'T GET KICK THE OIL HABIT. REMEMBER, 80% OF ALL THE OIL USED IS FOR POWERING THE CARS AND TRUCKS ON THE ROAD. IF THE AIRLINES SEE THE THREAT, AND ARE MAKING PLANS TO CHANGE, WHY CAN'T OUR GOVERNMENT SEE THE THREAT AND MAKE PLANS TO CHANGE? AM I BARKING AT THE MOON HERE OR WHAT? HELLO, ANYBODY HOME?

The biofuel closest to market is animal fat, including that from chickens, (however) "You aren't going to start raising animals for energy (sources)," says (Jennifer Holmgren, head of the Renewable Energy and Chemicals business at UOP).

Better options are non-food crops such as ... algae, she says. Fuel from algae is eight to 10 years away because research on it began later.

THERE! EIGHT YEARS, JUST LIKE I PREDICTED. AND IT COULD BE CLOSER IF WE BEGAN A MANHATTAN PROJECT #2 LIKE I SUGGESTED TO PRESIDENT OBAMA IN THE
<http://www.howlinwolfstudio.com/ManhattanProjectII.pdf>

...algae may be what fuels the engines in U.S. jets. It can be produced in high volume, and the USA has plenty of space to grow it. Algae will be produced in the billions of gallons a little bit further down the road.

Algae is among the fastest-growing organisms on Earth. It takes up little space relative to its production capacity. Some strains can go from incubator to harvest in 14 days. And it grows best ... on "algae farms," where nutrient-filled water flows through miles of tubes winding around a few acres of land.

"You get an awful lot of productivity out of 1 acre of algae when compared with 1 acre of just about any other crop," says William Thurmond, a bio-energy researcher affiliated with the National Algae Association.

That kind of large-scale production is necessary to get the cost of algae fuel down enough to compete with conventional fuels. But it's doable, says Cohen of the National Algae Association. ... Cohen says the cost of producing unrefined algae crude could be less than \$1 a gallon in a few years as technical problems are solved and as production is ramped up to industrial levels."

AND THEREIN LIES THE PROBLEM.
ALGAE AT \$1 DOLLAR PER GALLON WILL PUT THE BIG OIL COMPANIES AND THEIR MONOPOLY ON PETROLEUM OUT OF BUSINESS. IN THE VERY BEGINNING OF THE ARTICLE BY DAN REED IT IS NOTED THAT "even the big oil companies are working" TO DEVELOP ALGAE AS AN ENERGY SOURCE. A PERSON WITH IMPAIRED VISION CAN SEE WHAT THE GAME IS HERE. THE CROOKED "big oil companies" ARE ...

Exxon Mobil beats own record earnings with \$45.2 billion profit for 2008

BY JIM FUQUAY
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RACING TO BE THE FIRST IN TOWN TO HAVE A MONOPOLY ON ALGAE, JUST LIKE THEIR MONOPOLY ON OIL. THEY SEE WHICH WAY THE WIND IS BLOWING. THEY KNOW THAT "PEAK OIL" HAS ARRIVED AND THEY KNOW THAT IF THEY WANT TO CONTINUE THEIR OBSCENE PROFITS THEY BETTER HAVE SOMETHING TO SELL. AND THEY KNOW THEY BETTER BE THE ONLY ONES TO HAVE A LOCK ON IT.

IS IT INEVITABLE THAT WE CONTINUE TO BE SUBJECT TO THAT MONOPOLY? NO IT ISN'T AND HERE IS THE KEY TO SOLVE THAT PUZZLE. WE, THE CITIZENS OF THE USA NEED TO GET Madder n HELL AND DEMAND THAT THE GOVERNMENT USE THOSE \$30+ BILLIONS OF TAXPAYER DOLLARS THAT WILL BE SPENT ON ALTERNATIVE SOURCES OF

ENERGY (ACCORDING TO THE NEW ADMINISTRATIONS PLAN) ON THE FOLLOWING:

ANNOUNCE, IMMEDIATELY, A 100% TAX CREDIT ON THE PURCHASE PRICE OF A NEW VEHICLE WITH A DIESEL ENGINE (THAT WILL BURN ALGAE BASED FUEL). THIS WILL PUT THE AUTOMAKERS BACK TO WORKING THREE SHIFTS WHICH WILL BE THE SPARK TO REJUVENATE THE ECONOMY.

BEGIN IMMEDIATELY A MANHATTAN PROJECT #2 TO RAMP UP ALGAE PRODUCTION TO INDUSTRIAL LEVELS. USING A VERTICAL-ARRAY ALGAE GROWING ARRANGEMENT, AN ALGAE FARM, CAN PRODUCE 100,000 GALLONS OF BIOFUEL PER ACRE.

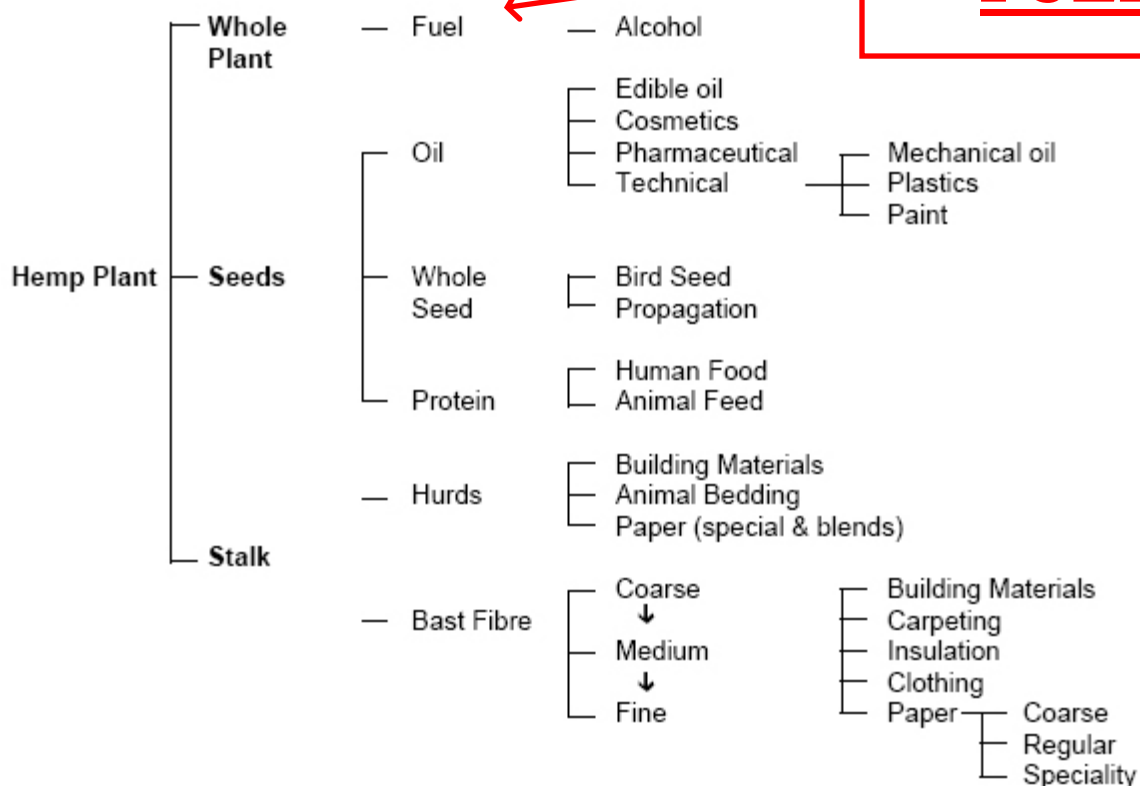
ALLOW AND ASSIST IN THE FORMATION OF LOCAL COOPERATIVES SO THAT THE ALGAE BIOFUEL CAN BE GROWN, PRODUCED AND DISTRIBUTED ON A LOCAL AND/OR REGIONAL LEVEL INSTEAD OF BEING CONTROLLED BY A FEW MONOPOLISTIC COMPANIES.

AND, WHILE ALL THIS IS TAKING PLACE, LEGALIZE THE CULTIVATION OF INDUSTRIAL HEMP SO THAT ADDITIONAL SOURCE OF RENEWABLE ENERGY CAN BE USED BY AMERICANS IN THEIR DIESEL ENGINE CARS AND TRUCKS. (SEE PAGE 7 OF THE BRITISH COLUMBIA FACT SHEET)

<http://www.howlinwolfstudio.com/hempinfo.pdf>

FUEL

Table II Product Flow Chart



RUDOLPH DIESEL DEMONSTRATED HIS NEW DIESEL ENGINE AT THE 1894 PARIS WORLD'S FAIR AND HE RAN IT ON PEANUT OIL. AFTER HIS DEATH, THE DIESEL ENGINE WAS **MODIFIED TO MAKE IT RUN ON #2 DIESEL** WHICH IS A PETROLEUM PRODUCT. FOR OVER ONE-HUNDRED YEARS WE HAVE BEEN POWERING OUR INTERNAL COMBUSTION CARS AND TRUCKS ON GASOLINE, WHEN, DURING ALL THAT TIME WE COULD HAVE BEEN USING BIOFUEL IN DIESEL ENGINES. THE DIESEL ENGINE IS THE STANDARD IN EUROPE. IT SHOULD BE THE STANDARD HERE IN AMERICA AND WE SHOULD BE USING A CLEAN, GREEN, RENEWABLE SOURCE OF ENERGY TO POWER IT.

AND THE BIOFUELED DIESEL ENGINE CAN POWER SOMETHING AS COOL AS ... <http://www.howlinwolfstudio.com/Hemptruth.pdf>

How about something that looks like this:



Volkswagen's new concept car, the diesel engine: Elise!

The diesel engine can be scaled up or down to fit into and power any type of vehicle. All running on \$1 per gallon biodiesel.

SO, IF THIS MAKES SENSE THEN WHAT'S HOLDING UP THE SHOW? POLITICS AS USUAL, THAT'S WHATS HOLDING UP THE SHOW. NOW, JUST LIKE WHEN EACH NEW ADMINISTRATION TOOK OFFICE IN THE PAST, THE CHILDISH BICKERING HAS BEGUN. TODAY IS SUNDAY 1 FEBRUARY 2009 AND JUST A FEW DAYS AGO THE REPUBLICANS UNITED IN THEIR OPPOSITION TO THE NEW ADMINISTRATIONS STIMULUS PLAN. THESE ARE THE SAME REPUBLICANS WHO UNITED IN THEIR SUPPORT OF THE PREVIOUS, REPUBLICAN, ADMINISTRATION'S STIMULUS PLAN. TO BE FAIR, IF THE SITUATION WAS REVERSED, AND THE REPUBLICANS WERE CALLING THE SHOTS (LIKE DURING THE PREVIOUS EIGHT YEARS)

THEN THE DEMOCRATS WOULD HAVE PROBABLY UNITED IN THEIR OPPOSITION TO THE REPUBLICANS PLAN.
SEE, THESE "REPRESENTATIVES OF THE PEOPLE" DON'T CARE ABOUT REPRESENTING ANYONE BUT THEMSELVES.
LOOK AT IT LIKE THIS: RIGHT NOW THE DEMOCRATS HAVE THE MAJORITY IN THE WHITE HOUSE, THE CONGRESS AND THE SENATE. IF THEY ARE SEEN TO DO A GOOD JOB, THEN, WHEN THE NEXT ELECTION CYCLE ROLLS AROUND THEY MIGHT GET REELECTED AND NEITHER SIDE WANTS THE OTHER SIDE TO DO A GOOD JOB AND GET REELECTED.
SO, THEY SABOTAGE THE OTHER SIDES EFFORTS TO MAKE THEM LOOK BAD. IT'S AS SIMPLE AS THAT. POLITICS IN AMERICA HAS ALWAYS BEEN LIKE THAT.
THE STATUS QUO WILL NOT CHANGE AS LONG AS THE EGO'S, AMBITIONS AND GREED OF THE FEW MAKE THE DECISIONS THAT AFFECT THE MANY. HOW DO THOSE PEOPLE LOOK AT THEMSELVES IN THE MIRROR? I WONDER IF THEY'RE MOTHERS KNOW WHAT THEY DO FOR A LIVING?
AMERICA IS ADDICTED TO OIL BECAUSE THE POLITICIANS LEGISLATED THAT ADDICTION INTO HAPPENING.
AMERICA WILL NOT KICK THE OIL HABIT AS LONG AS THE POLITICIANS CONTINUE TO BE IN CHARGE OF EVERY ASPECT OF OUR LIVES.
THE ONLY WAY TO MAKE THE USA ENERGY INDEPENDENT IS FOR ONE-HUNDRED MILLION AMERICANS TO GET Madder N HELL AND MAKE IT HAPPEN.
DOES THAT SOUND LIKE A CALL TO REVOLUTION?
WELL, IT'S NOT. IT IS MERELY A CALL TO COMMON-SENSE.

<http://www.USA-EnergyIndependence.org>