

## Magic Realm of Umbrellaman

Forget all the science fiction, comic book heroes of the past. A new science fiction, comic book hero has emerged, this time with real world powers. Leaping tall buildings and speeding faster than bullets is no challenge for this hero. This superhero commands the Phantom Force of Echo Energy that he can use his powerful umbrella to focus at the errant humans of the planet.

This superhero is directed by the Feudal Few (F-Few) and aided by the Green Meanies (Meanies) and a team of white lab-coated Hockey Stickers (Stickers). Together they intend to redirect all human energy and thereby subvert any remaining free will on Earth, at last ruling all Potential Serfs (P-Serfs). Like many superheroes, Umbrellaman is a master of disguises, and until recently, was known as Greenhouseman.

Greenhouses are perceived to have a warm and possible positive benefit, perfect for luring Earthlings into the trap. For while greenhouses CAN boast growing seasons, even protect tender crops during inclement conditions, the underlying danger is that they can WARM the air trapped within them. Claiming this same power, the F-Few have issued repeated warnings of pending doom which did produce Warmaphobia for a time, but Greenhouseman suffered from a case of Invalid Metaphor.

The actions of a greenhouse are constant, yet the conditions outside of the greenhouses are highly variable. Masses of humans could not be forced into believing that a minute change in an inert trace gas can control the temperature of the entire planet. Greenhouseman needed a more powerful, omnipresent force, a metaphor with readily observable powers....enter water vapor, the energy umbrella.

For the water vapor ruse to work, the F-Few, Meanies and Stickers needed to focus the P-Serfs attention on just ONE aspect of water vapor. As the amount of water vapor rises, it becomes visible to the naked eye as clouds. Even casual observation shows that the Earth cools less on a cloudy night. The photo-shopped message is that water vapor is a powerful WARMING agent. Never mind that, like an umbrella, water vapor can block sunlight during the day, clouds DO cool the Earth.

More things to 'never mind' are that as water vapor is released from the oceans, lakes and moist ground, it carries heat away from the Earth with it. When water vapor condenses high in the atmosphere it is releasing heat away from the planet. When you stand under an umbrella during a cold rain, do NOT think of the cold rain being diverted, think instead of the WARMTH being focused on you by the umbrella. Now, Umbrellaman clouds offer this same warming benefit by FORCING energy back from a cold atmosphere to a warm planet.

This pretzel logic has been confronted by the most unlikely of real superheroes, the Rational Heretic (Rationalists) who like to point out that water vapor is omnipresent on the planet. In the claimed “Driest Place on the Planet”, the Atacama Desert the Relative Humidity is 76% [1]. This means that at any place in the world there is at least 1000 times the amount of water vapor as Carbon Dioxide in the air.

The Infra Red absorption bands for water vapor and CO<sub>2</sub> overlap at the 15 micron range and at that point are both three times wider than the CO<sub>2</sub> solo absorption band at 5 microns. The result is that water vapor has at least 3,000 times the absorption of its carbon rival, but neither gas will force energy back to Earth.

The F-Few have followed a carefully designed plan. The Meanies were to be led around by their green nose rings and made to attack the Rationalists as greedy planet killers. The Stickers were handsomely paid from the public purse to photo-shop plausible science. They quickly seized on a single quadratic equation which they were able to replicate in virtually every database. This quadratic equation was in every temperature, CO<sub>2</sub> concentrations, ice cores, tree rings, sediments and isotopes data base available.

With adequate Faux Science, the F-Few needed a front man, enter Big Chief Gore. This former assistant to the Great White Father would pound the climate war drums, the Nobel Committee would make Peace Offerings and at last the peasant rebels would be tamed. But before the final Pow Wow the Sun God intervened and the planet refused to follow the FF warming decree.

Suddenly the entire Faux Reality fell apart. Big Chief Gore can only debate those who agree with him and proved feckless against Rationalists and Heretics alike. Unable to hold a reasoned debate Big Chief Gore retreated to his giant, climate controlled Wigwam. The umbrella of hockey sticks was shown to be glued twigs that would not hold water. The greenies realized that every green promise was bound in a F-Few lie. The P-Serfs realized that you can only be lied to by those your trust and trust quickly shifted to the Rational Heretics.

Art imitates life and fact is stranger than fiction. If you read a science fiction comic book with this plot you might find it entertaining, but not very believable. Problem is this is exactly what has happened during the last twenty years.

There is no Phantom Force of Echo Energy back radiating from the clouds or any atmospheric gas that is warming the surface of the Earth. There are gases that slow warming during every sunlight hour and slow cooling during the night. This reduces the daily temperature swings by 75% on a non-gas covered planet. While P-Serfs may 'marvel' at the audacity of the F-Few hopes for universal feudalism, we must all work to defeat this force. The F-Few efforts to demonize any gas, is just proof of their demonic nature.

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[1] information on weather conditions at the driest place on Earth are at:  
<http://www.myweather2.com/City-Town/Chile/San-Pedro-De-Atacama/climate-profile.aspx>