

DISCOVERY CHANNEL PROGRAM - AUGUST 5, 2007

“CAN WE CONTROL THE WEATHER?”

AND WHAT ARE THE RISKS AND ETHICAL CONSIDERATIONS IF SCIENTISTS PLAY GOD & TRY AND CONTROL THE WEATHER?

WHO HAS OVERSIGHT OVER THEIR ACTIONS?

DOES THE PUBLIC HAVE A RIGHT TO KNOW ABOUT THESE EXPERIMENTS AND THEIR ENVIRONMENTAL & HUMAN HEALTH IMPACTS?

PARTIAL TRANSCRIPT
(WEATHER MODIFICATION / JET CONTRAILS / HURRICANES)

MIT PROFESSOR KERRY EMANUEL: “...The evolution of the weather is terribly sensitive to small disturbances.

Narrator: “Chaos Theory says that tiny disturbances in the atmosphere can trigger a chain of events that cause large scale changes somewhere else...Professor Emanuel thinks that introducing the right disturbance, or perturbation, could artificially create a weather system capable of deflecting a hurricane. It is something that he knows can happen quite naturally...”

Was there an experiment conducted in 2005 to test this theory?

Many black contrails have been seen over the United States since the early 1990s. Are these black contrails composed of black carbon dust that is being used for weather modification experiments? Have we been conducting atmospheric perturbation experiments using carbon black?

Professor Emanuel: “So we actually know what kind of perturbations the atmosphere is most sensitive to right now. Then the next step, if you actually wanted to modify the weather, is to deliberately go out and manufacture such perturbations. It doesn't have to be very big. One of the ideas that has been floated is to lay a contrail, with a bunch of jets, that's deliberately black carbon to absorb sunlight.

Note the video shown in this segment of the two jets that were leaving carbon black contrails. Each jet has four engines and only two black contrails were being left behind each jet.

Narrator: “In Emanuel's scenario, as a hurricane heads for the East Coast of the U.S., a fleet of planes drops a huge swath of black carbon dust on the West Coast. The idea, to absorb the sun's warmth, and in the process create a small, but significant, temperature change in the atmosphere.”

Professor Emanuel: “The atmosphere would naturally amplify this temperature perturbation and, as it moves toward the east over the U.S., the system would cause a normal kind of weather system; a low pressure area. And three days later it begins to interact with our hurricane and steers the hurricane offshore so that it never hits land.”

How is this possible if NOAA can't pinpoint exactly where a hurricane will make landfall?

Professor Emanuel: “And all you are doing is exactly the same thing that happens anyway. You are just affecting the timing of it. You are not doing anything unnatural to the natural world.”

Black Carbon Dust Experiments could modify the weather across the U.S. These dust particles are toxic atmospheric pollutants and could exacerbate asthma in children and increase respiratory health problems.

Narrator: “Emanuel’s carbon trail could have the potential to turn science fiction into scientific reality.”

Narrator: “But manipulating the weather may come at a price. The ability to decide the path of a hurricane raises serious moral dilemmas...”

Summary of one Section of the Discover Program Presentation: A Russian Weather Control Operation in 1986, from the past is described in this program. When the nuclear power plant in Chernobyl suffered a meltdown it created radioactive clouds that were seeded by the Russians in order to prevent the radioactive rain from falling in highly populated areas in the Soviet Union. This event is described in some detail along with the health effects suffered by those exposed to the radioactive rain from this cloud seeding operation.

END OF PARTIAL TRANSCRIPTION – DISCOVERY CHANNEL PROGRAM

Professor Emanuel notes (August 7, 2007), that some of the ideas expressed above in the narration were attributed to him in the Discovery Program by mistake. The ideas were expressed in a paper written by:

**Dr. Ross Hoffman, Atmospheric and Environmental Research in Lexington, MA.
Titled: “Controlling the Weather” February 2002**

ADDITIONAL PUBLIC INFORMATION:

New York Times July 17, 2007 Studies Show Hurricanes Improve Coral Reef Health
<http://www.nytimes.com/2007/07/17/science/17obse2.html?ex=1342324800&en=a60b0cbc12e3f87d&ei=5088&partner=rssnyt&emc=rss>

In the Vietnam War Agent Orange was released through attachments made to airplanes.

In the 2004, Science Channel Program “Owning the Weather”, are the following statements on “Project Popeye”: “...Though they had denied it for more than seven years (until Seymour Hersh of the New York Times broke the story), the U.S. Military had been using weather modification as a weapon in Vietnam and Laos. Starting in 1966, the United States Air Force had made over 2,600 top-secret cloud seeding flights. Codenamed “Project Popeye”, this clandestine operation attempted to turn key enemy transport roads to mud, rendering them impassable...As a result of the uproar over Project Popeye, on the 10th of December 1976, the United Nations passed General Assembly Resolution 3172. It explicitly banned the use of weather modification in warfare...” Other U.S. hurricane clouds seeding projects have also been classified, until years later, due to the devastating results of these experiments.

There are over fifty weather modification programs ongoing in the United States according to NOAA experimental weather modification public records.

NOAA Project StormFury 20-Year History:

http://www.aoml.noaa.gov/hrd/hrd_sub/stormfury_era.html

In 2004, The Science Channel, for a special television program titled “Owing the Weather”, conducted an interview with J. Gregory Glenn, a Research Scientist at Elgin Air Force Base in Florida, where “...Air Force weapons researchers and nano particles specialists are conducting weather control experiments...”

Popular Science Magazine, November 2005, Can We Stop Storms?

<http://www.popsci.com/popsci/science/c955700641f87010vqnvcm100004eeccdrd.html>