

The Eastlund patent described how the atmosphere is to be heated: "In one embodiment, this is done by transmitting circularly polarized electromagnetic radiation from the earth's surface at or near the location where a naturally occurring dipole magnetic field (force) line intersects the earth's surface."

The secret Soviet transmitter (with the 7,000 foot hole into the ice pack) at their base in Vostok, Antarctica is located DIRECTLY AT THE SITE OF THE EARTH'S GEOMAGNETIC SOUTH POLE--where the earth's natural magnetic lines converge--and this appears to be a prime example of what Eastlund is describing.

Eastlund continued, "Right hand circular polarization is used in the northern hemisphere and left hand circular polarization is used in the southern hemisphere." "The radiation is transmitted at a frequency which is based on the gyrofrequency of the charged particles and which, when applied to at least one region excites electron cyclotron resonance within the regions..."

Eastlund's patent described the heating of the ionosphere that will "ENHANCE AIRGLOW." Remember the many reports in earlier issues, and this issue of YOUTH ACTION NEWS and in Col. Bearden's book, FER-DE-LANCE, which specifically describe the "BALL OF FIRE" and AIRGLOW effects of the Soviet and U.S. Tesla scalar transmitters over many different locations such as: OVER THE EASTERN UNITED STATES IN 1986 and 1987, over Soviet Karelia in 1977, over Alaska, over Saryshagen, etc.

The Eastlund-ARCO patent continued, "In another embodiment, this invention is used to alter at least one selected region of plasma in the ionosphere to establish a defined layer of plasma having increased charged particle density. Once this layer is established, and while maintaining the transmission of the main beam of circular polarized electromagnetic radiation, THE MAIN BEAM IS MODULATED AND/OR AT LEAST ONE SECOND DIFFERENT, MODULATED ELECTROMAGNETIC RADIATION BEAM IS TRANSMITTED FROM AT LEAST ONE SEPARATE SOURCE AT A DIFFERENT FREQUENCY WHICH WILL BE ABSORBED IN THE PLASMA LAYER."

"The amplitude of the frequency of the main beam and/or the second beam or beams is MODULATED IN RESONANCE WITH AT LEAST ONE KNOWN OSCILLATION MODE IN THE SELECTED REGION OR REGIONS TO EXCITE THE KNOWN OSCILLATION MODE TO PROPAGATE A KNOWN FREQUENCY WAVE OR WAVES THROUGHOUT THE IONOSPHERE."

This description is very important because it relates to the production of Extremely Low Frequency waves. Although ELF standing waves are not specifically mentioned in the Eastlund-Arco patent, the description is similar to a new method of generating ELF waves, as revealed in the November 29, 1987 FAIRBANKS, ALASKA DAILY NEWS MINER--magazine supplement HEARTLAND, which stated:

"The most powerful radio signal in the Fairbanks area is not directed to a listening audience in interior Alaska." The U.S. Government's China Hot Springs station is titled "HIGH POWER AURORAL STIMULATION FACILITY."

HEARTLAND stated, "UCLA operates the site, drawing researchers from across the country. One of the main projects involves a team led by Anthony Ferraro of Penn State University with assistance from the University of Alaska Geophysical Institute."

In October, 1987, Ferraro's group "SUCCESSFULLY TESTED A THEORY THAT HEATING THE IONOSPHERE MAKES POSSIBLE THE GENERATION AND TRANSMISSION OF EXTREMELY LOW FREQUENCY OR ELF RADIO WAVES."

"...The technique tested here involves shining a one million watt high frequency wave into the ionosphere through a very narrow beam, effectively producing 80 MILLION WATTS OF POWER. 'When that beam shines into the ionosphere, it increases the temperature of the region by 50 percent,' Ferraro said."

HEARTLAND continued, "The beam heats a large pancake shaped spot, 6 miles thick and 12 miles in diameter, in the ionosphere 40 to 60 miles above the ground. ... When the temperature of the ionosphere increases, the current produced by the electrically charged particles in the ionosphere changes and can be regulated by turning the transmitter on and off."

"In effect, this procedure creates A RADIO ANTENNA IN THE IONOSPHERE WHICH EMITS A RADIO WAVE THAT COMES BACK DOWN TO EARTH. THE WAVES ARE EXTREMELY LOW FREQUENCY," similar to giant standing waves used to alter the jet stream.

The Eastlund-Arco patent specifically described how rockets can be zapped: "...Since the main electromagnetic beam which generates the enhanced ionized belt of this invention can be modulated itself and/or one or more additional electromagnetic radiation waves can be impinged on the ionized region formed by this invention...a substantial amount of randomly modulated signals of very large power magnitude can be generated in a highly nonlinear mode. This can cause confusion or INTERFERENCE WITH OR EVEN COMPLETE DISRUPTION OF GUIDANCE SYSTEMS EMPLOYED BY EVEN THE MOST SOPHISTICATED AIRPLANES AND MISSILES."

The Eastlund-Arco patent stated that "Weather modification is possible by ... altering solar absorption patterns by constructing one or more PLUMES OF ATMOSPHERIC PARTICLES WHICH WILL ACT AS A LENS OR FOCUSING DEVICE." Such an atmospheric lens was apparently tested by the Soviets, on Greensburg, Kansas on 7/7/87-- (see page one).

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