

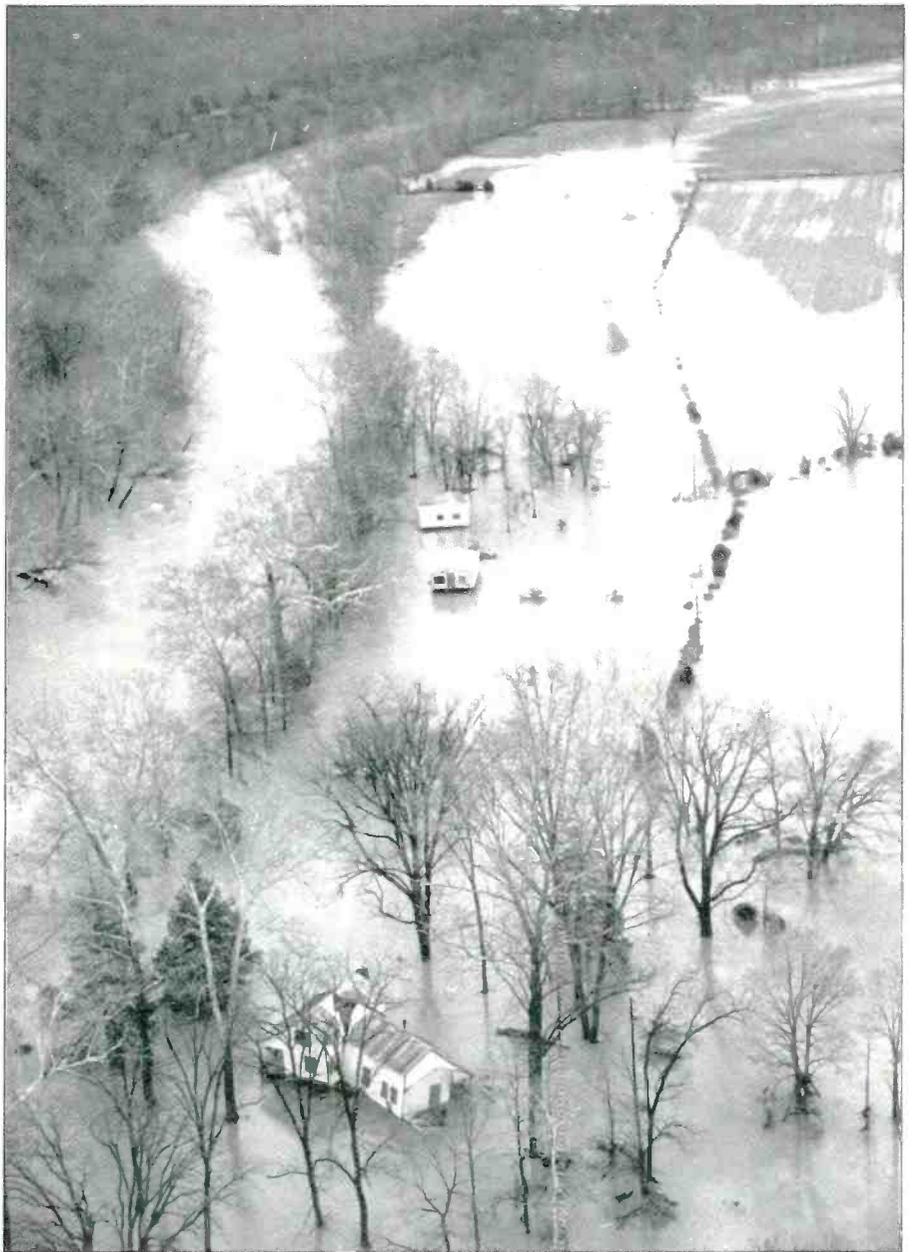
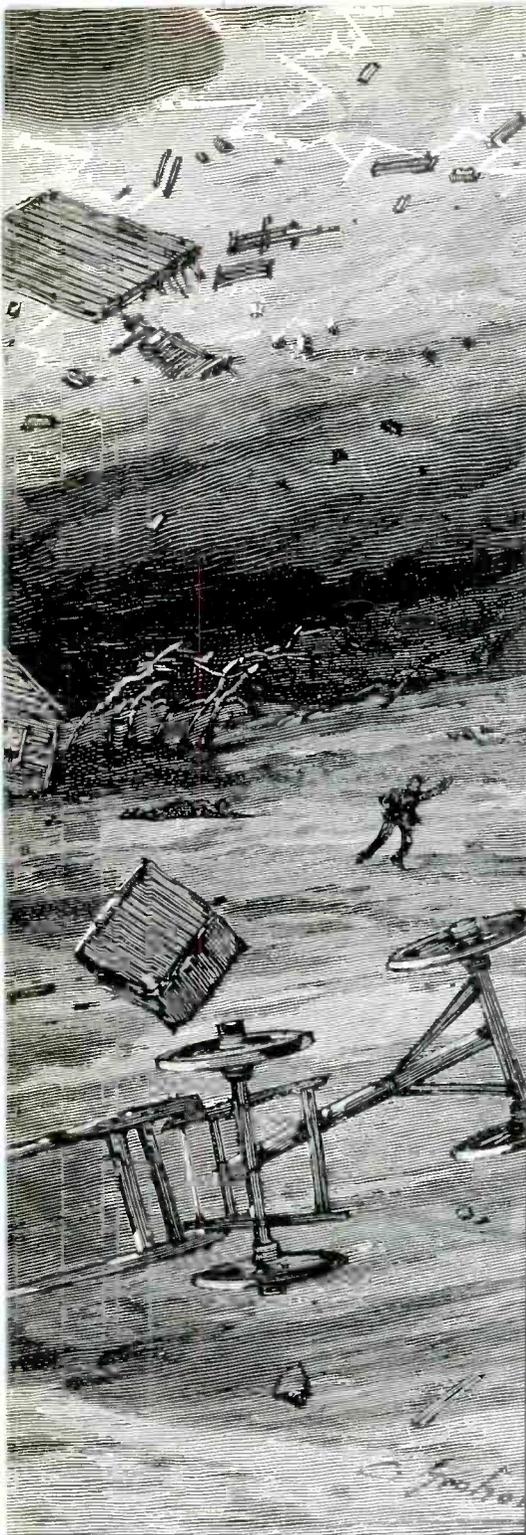
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# Is ELF Able To Manipulate The Weather?

*Has A Technique Devised By Tesla Permitted  
The Soviets To Alter The World's Weather?*

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BY HARRY CAUL, KIL9XL



*Are floods and other freaky weather conditions deliberately caused by Soviet ELF radio signals? (Photo courtesy U.S. Army)*

**L**ast Christmas the low temperature records in 21 states and 60 cities were broken. According to the National Severe Storms Forecast Center in Kansas City (MO), twelve cities shattered all known records for record low December temperatures. While this was going on, December in Europe was unseasonably warm. Paris was basking in temperatures ranging as high as 70 degrees. Notwithstanding the drain on the energy resources of North America, the cold weather here during December caused the deaths of

138 persons and damaged many millions of dollars worth of crops.

Of course, these have not been the only strange weather patterns noted in recent months and years. El Nino, for instance, is a disturbance in the Pacific that shows up every ten years and brings heavy rains to portions of South America. El Nino has traditionally been very limited in scope, but when it popped up unexpectedly and off schedule in 1982 and 1983, *The New York Times* (5 April 1983) reported that it was

much larger than usual, with the entire eastern Pacific, from Chile to Alaska, being affected. Even areas as distant as the East Coast of North America were being influenced by El Nino, and El Nino had begun earlier than any previous appearances. *The Times* quoted Dr. Klaus Wyrski of the University of Hawaii as saying it was "totally unexpected...it also did not follow a period of unusually strong trade winds."

El Nino had previously been noted in the mid-Pacific, but Dr. Jerome Namias of the

Scripps Institution of Oceanography (San Diego, CA) was quoted in *The Times* as observing that its new location close to South America had caused air pressure over the Aleutians so very low that it is "unlikely to recur for another century." He noted that storm tracks had been displaced hundreds of miles southward.

The *Washington Post* (6 March 1983) reported that El Nino was the worst it had been in 100 years and that equatorial trade winds, blowing from east to west, stalled. Warm water normally carried towards Asia stopped, backed up, and ended up being located off South America's West Coast. Although nobody came forward with an explanation based upon past experiences, the direction of the trade winds was reversed and that caused droughts in Australia and torrential rains in Peru. By the shifting of the course of the jet stream, frigid Arctic air was shot more easterly than normal.

Radically changing weather patterns have brought serious floods to parts of the United States, and even the Utah Salt Flats have begun to flood over for the first time in memory. Several nights per week, the evening network news features bizarre weather phenomena here and abroad—floods, droughts, blizzards, heat waves—where and when they

aren't supposed to be, at the wrong time of the year, and with a severity far worse that people are ready to handle.

Has this been a worldwide weather flip-flop? Probably, and while we have come out on the short end of the bargain it appears that the Soviets have gained warmer winter weather for their farmers in the European USSR and the Ukraine. In fact, Warsaw Pact nations in Eastern Europe such as Romania, Poland, Czechoslovakia, and Hungary have also been experiencing warmer weather. As the jet stream blew all of the cold to North America and away from Siberia (which gives the European USSR its cold winters), it has left a sort-of vacuum into which warm air from Africa has been drawn.

Is all of this sheer coincidence? Has the planet tipped over on its axis? Is it the ozone layer, the greenhouse effect, acid rain, the arrival of Amageddon, or *what?* Amongst the several speculations as to its possible cause, several voices have been heard which suggest the possibilities that it is a deliberate manipulation of the world's weather by the Soviets in order to aid their troubled agricultural output, and it's all done with radio waves! A far-fetched explanation? Maybe, but nonetheless fascinating.

In 1978 Dr. Andrew Michrowski of the

Canadian State Department commented on this technique using ELF (extremely low frequency) radio signals. He said, "In the case of the winter of 1976-77, the Soviets have managed to establish terrestrial electrical resonance, and then learned how to establish relatively stable and localized ELF magnetic fields, which were able to hamper or divert the jet stream flow in the Northern Hemisphere."

He described just how stationary fronts were established over the West Coast of North America, between Baja California and Alaska, which "permitted great diversion of air movement and the maintenance of high and low pressure areas."

Michrowski went on to observe, "In the case of the winter of 1977-1978, the Soviet scientists involved had the ingenious idea of setting up one series of standing columnar waves that extend from the westerly tip of Alaska all the way to Valparaiso, Chile. This columnar wave form was projected from just outside Angarsk, Siberia. East of this formation, the weather was drier, and west of it, precipitation was enhanced."

He further stated, "As the columnar waves rotated clockwise, the westerly winds were sucked upwards counter-clockwise into the upper atmosphere, while a drag brought air from the upper atmosphere on the opposite side."

Michrowski was not alone in his concept. Early in 1977, some American scientists agreed that there was evidence that the Soviets were using high intensity radio signals to move Arctic air masses away from their coastline and towards North America. In 1979, Dr. Walter Orr Roberts of the Aspen Institute of Colorado was quoted as saying, "The idea of changing the conductivity of the atmosphere as a weather modification experiment is not ridiculous."

Weather is affected by the jet stream 7 to 10 miles above the Earth. Weather modification could be accomplished by regulating the movement of the electrically charged particles in the upper atmosphere. That would result in changing the direction of the jet stream to some degree.

## Tesla

It does appear that the Soviets have been exploring the theories and experiments of Nikola Tesla, the Slavic genius who was born in 1856 in what is now Yugoslavia. He came to the U.S. and although he advanced some brilliant concepts and produced a number of startling inventions in the fields of radio and electric power transmission, he was not fully appreciated by his contemporaries. He died a rather obscure person in 1943; however in recent time more serious attention has been paid to his ideas than during his lifetime.

At the turn of the Century, Tesla proved that the Earth might be used as a conductor of electricity and would respond to electrical vibrations at a specific frequency. He demonstrated his theory by illuminating 200 electric lamps at a distance of 25 miles without any connecting wires. He suggested

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many possible uses for his discoveries, including modification of the weather.

Dr. Michrowski postulates that the Soviet ELF signals are pulses on a frequency of 31.5 Hz and have caused "giant standing wave troughs in the Rocky Mountains" between Alberta and New Mexico, and another through the eastern United States.

Tesla's notes still exist even though many of them were never completed. The notebooks are on file at the Tesla Museum in Belgrade, Yugoslavia. A Canadian researcher did manage, in 1976, to locate Tesla's last known living assistant, Arthur Matthews. In Quebec, Matthews revealed that he had been asked "a lot of questions from a lot of people" including some with "Russian sounding names." This, of course, doesn't actually prove anything, except that people do seem to be taking the trouble to try to find out what Tesla was doing.

Further research into the Soviet ELF signals has been conducted by an American Electrical Engineer named Al Beilek who recently delivered a lecture about natural and artificial ELF signals in the Pacific Northwest. Beilek discussed that the Soviets had been experimenting with these signals on a particular frequency but it was only after a change to 31.5 Hz that El Nino's strange activity began to be observed. He said that the first Soviet transmitting sites were in Riga (Latvian SSR) and Gomel (Byelorussia). (Gomel, it is believed, is also the source of the so-called Woodpecker OTH—over the horizon—radar pulses that have been moni-

tored for years by shortwave listeners.) Signals from these sites were noted in 1979 in the Pacific Northwest and were on 15 and 30 Hz. Later examination of the characteristics of the signals implied a connection with Tesla's experiments and also indicated that one possible transmitting site was near the Ustyurt Plateau (between the Aral and Caspian Seas). It was also observed that when the ELF signals vanished from the airwaves for a two week period in 1980, the Northern Hemisphere's jet stream flow was normal.

ELF has been recognized by our own government as having military potentials, including for long range underwater communications. It has, however, been the cause for considerable concern by environmental groups that complain about the possible harmful effects if high level signals in the ELF spectrum. In fact, this past January, a federal judge in Wisconsin ordered the U.S. Navy to immediately stop work on its Project ELF system near Marquette, Michigan and not to upgrade its ELF testing facility near Clam Lake, Wisconsin. The Navy claims that the system is intended to defeat Soviet attempts to jam radio communications in the event of a nuclear attack. The Navy's ELF project was first proposed in the 1960's, but Judge Barbara Crabb said a 1977 environmental impact statement filed with the EPA in 1977 was insufficient for the project. Judge Crabb also ordered the Navy to stop installing ELF receivers on submarines.

We haven't heard the last of ELF! Neither have you!

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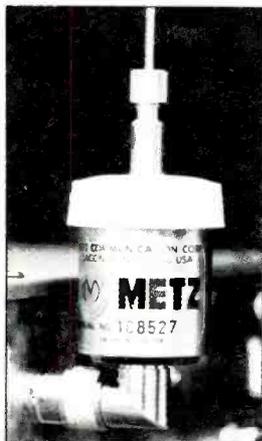
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