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December 11, 1992

Dr. Ing Wolfgang Volkrodt
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W-8740 Bad Neustadt
GERMANY

Dear Dr. Volkrodt:

I am making an effort to gather information on the relationship between microwave energy and forest tree damage. Suggestions of literature to review or people to contact are most welcome.

Very best wishes!

Sincerely,



William H. Smith
Clifton R. Musser
Professor of Forest Biology

WHS/cz

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U S A

Your letter of December 11, 1992, WHS/cz

26. Dezember 1992

MICROWAVE ENERGY

Dear Prof. William H. Smith:

A first information on the relationship between microwave energy and forest tree damage you can find in my enclosed print in English,- my report, held in Luxembourg 3.- 5. March 1988. At that time it found many interest.

I am sorry, that my further reports exist only in German. My English is wrong, before I had since 1980, as I left after 30 years working at the German Siemens AG, no more occasions to speak in English. The enclosed report "Ursachen des Waldsterbens" is the youngest of many else, partially published other reports. It shows 32 photocopies as a selection of more as 1000 negatives, taken in Germany, Austria and Swisserland. Most pictures result from the neighborhood of microwave transmitting stations. The odd towers (look B2, B4, B6, B7, B10, B25, B26) were erected since about 1960 in connection with the " Cold War" against the Soviets near to the border to Eastern Germany. The powerfull radar stations of the US-Forces (look B12 and B13) murdered 1984 within four months in the spring the forest on the "Stirnberg" in 5 km destination to the radar station in direction to east. Similar forest tree damages should have happened in northern parts of Canada in the beams of the many radar stations. Please investigate in this direction. I got only private informations of travellers, which have seen this.

The last page of the enclosed report shows a copy of my poster at the "International Congress on Forest Decline Research", Lake Constance, October 2-6, 1989. There I had the possibility to many interesting conversations with professors of forest biology and other departments. My theory, needles and leaf-ribs of trees are resonance absorbers like antennas was accepted to be true. Also it may be applicable that microwave energy will be changed in an electrical current. The electrons migrate as ionic bonds from the leaves, the trunk and than through the roots into the soil. There is no other possible way. In the soil happened a kind of electrolytic deposition, making Aluminium among other things soluble and make generally the soil acid similar to the effect of acid rain. Many of the professors of forest biology meant, for that don't exist scientific proofs, but it is imaginable.

About 1986 I had the opportunity for soil analysis in the neighborhood of two powerfull Austrian radar stations (look B30 and B31) together with Austrian scientists. The soil has been acid and no kind of living beings could be found. The dead soil fell out of the drilling machine like sand. From the totaly damaged oaks could be seen one of the both radar stations. In other parts of the big forest, where oaks were healthy and no radar stations could be seen, there was a good vegetable mold.

The problem in the German forest decline research is, that our professors of forest biology don't have any knowledges of electromagnetic waves. They can only work with chemical methods. And therefore is only the acid rain as reason imaginable. Some years ago I called for cooperation among professors of forest biology, physics and high frequency technics. But such a kind of cooperation seems to be impossible in Germany. The money for research is too small, that three different departments could research together about forest tree damages. Our German high frequency industry is afraid of results, which make necessary to pay damages for forest decline. Especially the German telecommunications fear problems with installation of new wireless telefon systems. Their lobby prevents any research of microwave risks. I hope you will have better chances for research in this fatal sphere in the USA.

It may be, that in Swisserland begin such a research, before in the last Sanasilva-Report it was established, that nowhere could be detected a relationship between forest tree damage and acid rain. There must exist quite else, perhaps physical reasons, no more chemical!

I myself have made some examinations of voltage and resistance in declined and healthy trunks, roots and the soil of the trees. There are differences. But it has been impossible for me alone, to get enough statistical results for a good scientific report. About 1988 I had contact with Swiss investigators. They radiated little fir-trees with radio relay systems with high frequencies between 2-10 GHz and a density below 10 mW/cm². About four months after beginning of the radiation the trees had lost nearly all needles. The soil was dead and acid. Also it has been tried to simulate the electrolyse in the trunk and in the soil by setting a variable voltage between electrodes in the trunk and in the soil around the roots. But all the informative results were not published, before nobody trusted to oppose to the recommended "Acid Rain Theory".

If you are able to install in the USA powerfull teams, consisting of professors of forest biology, physics and high frequency technics, I see a good chance, you can clear up the relationship between microwave energy and forest tree damage. I hope you will be more successful as we in Germany. If I can help you with my knowledges of about eight years, please ask me which is your problem.

Very best wishes!

Sincerely,

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