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Dear Sir,

SUB : CALCIUM BOMB THAT BROKE THE WORLD ECONOMY

I am enclosing an article entitled "A Moral Basis for Environment and Environmental Journalism". I presented this at a workshop at Jakarta, Indonesia on Environmental journalism on May 3, 1992, as a resource person for the UNESCO.

There is a hidden message in this, which I would like to share with you. This paper is the outcome of my search for truth for the last two years about the world economic situation in relation to the energy level.

Today, the entire world is puzzled about the root cause of the world economic crisis or the historic global recession. The economists, politicians, environmentalists, industrialists and religious leaders of all 170 and odd countries amongst both developed and developing nations are busy in formulating various plans and policies to readjust their economies with a hope to have a cleaner environment and also to come out of recession.

But so far they have failed to find a solution. They are not able to pin point the fundamental root cause of this wide, deep and historical recession. They only say that, "This economic crisis DOES NOT follow the normal economic principles and is an abnormal crisis."

When analysed carefully, one observes a successive increase in trade deficit in the United States of America with more than 5,000 banks out of the 13,300 banks collapsing since year 1985, resulting in a deep recession. This according to the economists does not follow the usual economic principles and would therefore take years to rid the economy of debt and rebuild America. It's being observed that even U. S. President Mr. George Bush is very shaky in his presidential election campaign about the domestic economy and their policies. He does not seem to be very confident as the trade deficit year after year seems to be getting out of hand despite all steps to gain control over it. From 55 billion dollars in 1985 it has increased to more than 900 billion dollars today.

The reason for pointing out the economic downfall of USA is that, it had definitely affected the economy of Europe and Asia because of the dominant global interconnected market economy. In other words an imbalance in the international trade is felt and is getting out of control.

In my search, I came across certain facts which form the fundamental root cause for today's recession in the United States and hence the world.

The recession in the early part of the century made people use energy efficiently in the industry. For the last seven years there has been a decrease in the consumption of secondary products in the form of food (animal and animal products) by human beings due to switching over from non-vegetarian to vegetarian diet. In other words, human beings who are the largest consumers of energy have started adopting a more efficient energy source resulting in energy consumption levels dropping down. **Therefore there was a disturbance in the high energy utilization economics.**

It is interesting to note that, the root cause of this imbalance in the American high energy utilisation economics was due to the National Cancer Institute (NCI), Maryland in USA which flooded the American supermarkets with a booklet, in early 1985, called "Diet, Nutrition and Cancer Prevention, -- a guide to food choices. "Prior to this, NCI started conducting their world famous massive clinical trial on high-fibre, low-fat diet on 8,000 women in late 1984 to prove conclusively that, "One can eat one's way to a life free from fear of breast cancer". High fat content is present mainly in milk, egg, fish and meat. Thus reduction of all these factors were advocated by NCI through mass media.

Due to the psychofear among the market driven American society, there was large scale mushrooming of salad bars from early 1985, all over the country and eventually the famous Mc Donnell fast food chain shops almost stopped serving red meat in their hamburgers. Thus NCI's booklet really ended up with mushrooming of salad bars and also the markets going in for varieties of breakfast cereals, fresh fruits and juices.

It is known that the SOLAR ENERGY gets converted into carbohydrates, proteins and lipids in a natural way by plant kingdom through the process of PHOTOSYNTHESIS, and is the largest and also the cheapest source of energy for the Living Reactors (i.e. human beings and animals).

According to a recent study published, which forms a part of the book of the World Watch Institute of New York, U.S.A. "State of the World 1992"; it has been pointed out that the livestock industry which consumed increasing amount of energy, produces more and more wastes. The domesticated animals outnumbering humans by three to one, graze on half of the planet's land area and eat food and fodder raised on one fourth of the cropland.

The animal population growth is alarming. Since 1950's human population has doubled to 5.4 billion, while the number of cattle, pigs, sheep, goats, horses, buffaloes and camels has grown from 2.3 billion to four billion. During the same period, the fowl population multiplied from three to 11 billion. With 40 per cent of the global livestock herd, the industrialised countries produce 61 per cent of the world's meat, 55 per cent of the eggs, and 72 per cent of the milk. The total meat-eating population is estimated at over one billion and the per capita consumption ranges from a high of 12 Kg a year in the US, to a low of two Kg per year in India, according to the Document, the "State of the World". 1992. Roughly 38 percent of the world's grain-corn, barely, sorghum and oats - is fed to livestock. In US alone, 70 per cent of the domestic grain production is fed to animals.

Therefore, the total energy consumed by humans, livestock, domesticated animals and pet animals in the form of food constitutes a major portion of the energy consumption, whereas the energy consumed by vehicles like aeroplanes, ships, trains, automobiles in the form of petrol, diesel and the machineries in the industries which run on electricity generated from coal, nuclear and hydel together constitute only a miniscule portion.

I am giving this background because one can then easily visualise, as to how the change in this major energy consumption pattern would have affected the economy of the United States of America.

In addition, according to a survey in 1985, in US alone over six million Americans called themselves as "Vegetarians", and in another survey conducted in 1987 by the United States Department of Agriculture, it was found that, two-thirds (i.e. nearly 160 million) of the population had made significant changes in their diets "for reasons of health and nutrition". Moreover, it was observed that households with higher educational levels were the first to change. The change reported included a decrease in consumption of beef and pork and increase in consumption of vegetables. According to data obtained in the year 1987, Americans were consuming 11 per cent more vegetables and seven per cent more fruits than in early 1980's (ref. "Transition to Vegetarianism, an evolutionary step" by Dr. Rudolph Ballentine, published by the Himalayan International Institute of Yoga Science and Philosophy of the USA, Honesdale, Pennsylvania, 1987).

Another interesting factor, that has been noticed was that the oil consumption in the US from late 1985 has dropped by 0.2 per cent.

This change in the energy cycle could be attributed to the chain reaction which started with NCI's clinical trial and propagation through market media for a high-fibre, low-fat diet to prevent cancer. When consumption of vegetables and fruits increased, animal fat and meat reduced, a number of industries and related population were affected which included cattle industries, cattle

feeders, meat industries, dairies; processing, cold storage and packaging industries, veterinary doctors, pharmaceuticals, chemical industries, transports, steel & iron industries, engineering workshops, paper industries, automobile industries, doctors, engineers, accountants, advocates, and other workers would add many more to the list.

In the past, it was generally a change or increase in the minor energy consumption which had resulted in the recession at different intervals. Therefore it was controllable upto certain level after readjustment in the economic policies.

HOWEVER, TODAY BECAUSE OF THE CHANGE IN MAJOR ENERGY CONSUMPTION THROUGHOUT THE WORLD, THIS DEEP AND WIDE RECESSION HAS BECOME UNCONTROLLABLE.

In my paper presented at the UNESCO, Jakarta, I had raised the question, as to who gave the knowledge of this low energy utilisation concept to NCI to combat cancer. I requested the fellow journalists to take home this question as a home work. The scientific knowledge to NCI was given by an Indian residing in **Bombay, India**. He enlightened the scientific community of the world, especially 400 cancer research institutions all around the globe. Of course, the NCI was quick to act. The U. S. scientists who always give weightage to intellectual property rights and patent rights however did not bother to acknowledge this Indian's work which has shown millions of people a path to a healthy living.

However, Southern Research Institute of Birmingham, U. K. and the scientists of Kiev Institute of the former USSR have acknowledged this Indian's work as ORIGINAL.

But, who is this Indian, who exploded the calcium bomb which broke the world economy and without stepping out of his own country, convinced the scientists about the low energy utilisation concept ?

If you feel convinced about the facts which I have given, I am ready to interact with you and enlighten you further on the subject.

Awaiting your reaction and suggestions. Thank you for your patient reading.

With regards,

Yours sincerely,

Lalitha Vaidyanathan