

Decreasing Victims of Global Cooling: Preservation of Foods in Antarctic, Development of Convenient Safe Packages, and Plant Factory with New Energy Development

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Submitted: 13 Jan 2020; Accepted: 20 Jan 2020; Published: 28 Jan 2020

Abstract

Grand Solar Minimum of decreasing sun spot is underway. It means decreased solar activity and decreased solar magnetic field. Galaxy cosmic rays entering into the air of earth will increase. They increase clouds and rain and Little Ice Age will be created. Agricultural products decrease much. any Plant Factories should be constructed to reduce victims. For that purpose new energy development seems to be necessary.

Keywords: Global Cooling, Little Ice Age, Foods security, Thorium Reactor, Nuclear Fusion, Space-Based Solar Power

Global Temperature rise is decreasing [1]

Carbon dioxide concentration in air promotes global warming is wrong. Inversely Temperature rise happens earlier than Carbon dioxide concentration rise in the air and vice versa [2]. Many other publications and information in internet point out that human made global warming theory is wrong [3-5].

Little Ice Age like Maunder minimum of 17 century is approaching shown by decrease of sunspots (Grand Solar Minimum). The decrease means the decrease of solar magnetic field that protects galaxy cosmic rays.

The increase in the galactic cosmic rays in the air creates clouds and even rain that reflect sun light to cool the earth [6]. If Sunspots are decreased for a long time, Little Ice Age is created.

Found a new theory of solar activity and grand solar minimum will begin in 2030 and cause global cooling [7-8]. Agriculture will be damaged and Ex-NASA Associate Dr. Kunitomo SAKURAI estimates [9].

Milliard (billion) People are Victimized. Even World War Three May Occur

Measures against it will be,

1. Accumulate many foods in Antarctic,
2. Develop more convenient long time accumulation methods than canned or bottled foods,
3. Many Plant Factories have to be constructed and operated by High pressure sodium lamps or LEDS [10].

The necessary energy has to be derived from developed new energy sources as conventional energy source including fracture gas and oils are lost within 200 years [11]. Candidates of new energy sources are Thorium Reactors [12]. Nuclear fusions or Space-Based Solar Power [13,14]. Microwave sending near Earth seems to be better than Laser sending near Earth as microwave penetrates clouds and rain of Little Ice Age. "Of course" first send energy by laser and then receive by satellites and resend by microwave near Earth is rational. For Space-Based Solar Power, Lagrangian points of orbit of moon around earth L4 and L5 seem to be suitable as they are gravitationary stable points [15]. Space catapults must be developed as sending satellites by rockets consumes much energy [16].

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