

Left out of TTEC Book

1965-- Designed a **kite-like unit**, which would be positioned **5-10** miles in the air, connected by a steel cable. The unit would carry an **F. M.** antenna, and associated equipment. Because **F. M.** broadcasts signals go in a straight line, (instead of bending with the curvature of the earth, **like A. M. signals do**), it would be extremely valuable for television signals (**F. M.**), as well as **cell phones!**

Such a system(s), network, would also be valuable for **nations**, who could **NOT** afford geo-stationary satellites, much cheaper too! Several separate units spaced at the appropriate intervals from one another, would be able to provide data to **thousands of miles, in diameter.**

This system would be especially useful, for areas of the globe, which had large expanses of desert land, where **NO (F. M.)** is available. It would also be extremely useful as a **telephonic-relay station**, or as a **weather station**, or many other uses, **NOT** specifically mentioned herein!

With modifications, the **Kite-like** arrangement, (because it is **above most clouds**), could also be used to **provide electricity**, using photo-voltaic solar cells. Generally speaking, **wind-capturing turbines**, could also be used to supply electricity, throughout the whole world, especially where **NO** electric is available.... fixed, **truly** in **Geo-stationary position!**

UPDATE: Pictured in **Discover Magazine, Oct. 2008, Page 21**, speculates **wind-turbines**, may generate tremendous amounts of electricity. That is because the **wind-velocity** at those higher altitudes, can produce electric-generation which is many times higher, than that which could be produced at sea level.... **24 hours** per day! This is because the magic of the **"Double-Quadruple Principle"**, teaches that precept! See **Example**, next paragraph.

Example: A **6 ft** diameter, wind-generator, may generate **1 Kw** of electricity in a **20 MPH** wind. At a wind velocity of **160 MPH**, you would now generate **64 Kw's** of electricity. Now, if you **double the diameter** of the turbines to **12 ft**. the power generated is now **256 Kw!**

If there are **(2)** Wind turbines per unit, as **theorized** in **Discover magazine, (I have NO problem with someone upgrading my system)**, then you would generate **512 Kw** per unit. **IF** you create a **"Wind-Farm" IN THE SKY**, with **(10)** units, you may now generate **5,120 Kw, PER FARM!** There would be **NO** air-pollution, **NOR** oil-use whatsoever.

Further, it is well-known that we have constant **high-wind-velocities**, (unlike the vagaries/un-reliable winds, at sea-level), winds traversing the sky, steadily **FOREVER (24)** hours a day.