

Supplement to “Gallery of Clean Energy Inventions” Exhibit

If the “Radioactivity Neutralization Methods” are exhibited as three rows of 9 columns of panels, about a half foot or so to the left install or tape to the wall the following two pages:

Blinded to the Future¹

"Heavier-than-air flying machines are impossible." --- Lord Kelvin, president, Royal Society, 1895

"I think there is a world market for maybe five computers." --- Thomas Watson, chairman of IBM, 1943

"There is no reason for any individual to have a computer in their home." --- Ken Olsen, president, chairman and founder of Digital Equipment Corp., 1977

"The telephone has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us." --- Western Union internal memo, 1876

"Airplanes are interesting toys but of no military value." --- Marshal Ferdinand Foch, French commander of Allied forces during the closing months of World War I, 1918

"Everything that can be invented has been invented." --- Charles H. Duell, Commissioner, US Office of Patents, 1899

"The wireless music box has no imaginable commercial value. Who would pay for a message sent to nobody in particular?" --- Radio Corporation of America CEO David Sarnoff's associates, in response to his urgings for investment in radio in the 1920's

"The ordinary 'horseless carriage' is at present a luxury for the wealthy; and although its price will probably fall in the future, it will never come into as common use as the bicycle." -- The Literary Digest, 1889.

"Professor Goddard does not know the relation between action and reaction and the need to have something better than a vacuum against which to react. He seems to lack the basic knowledge ladled out daily in high schools." --- New York Times editorial about Robert Goddard's revolutionary rocket work, 1921

"Who the hell wants to hear actors talk?" --- Harry M. Warner, Warner Brothers, 1927

"[It] is, of course, altogether valueless.... Ours has been the first, and will doubtless be the last, party of whites to visit this profitless locality." -- Lt. Joseph D. Ives, Corps of Topographical Engineers, 1861, on the Grand Canyon.

"Landing and moving around on the moon offer so many serious problems for human beings that it may take science another 200 years to lick them." -- Science Digest, August, 1948.

"The [flying] machine will eventually be fast; they will be used in sport, but they are not to be thought of as commercial carriers." -- Octave Chanute, aviation pioneer, 1904.

"X rays are a hoax." "Aircraft flight is impossible." "Radio has no future." -- Physicist and mathematician Lord Kelvin (1824-1907)

"Computers in the future may weigh no more than 1.5 tons." -- Popular Mechanics, 1949.

"We don't like their sound, and guitar music is on the way out." -- Decca Recording Co., in rejecting the Beatles, 1962.

"The bomb will never go off, and I speak as an expert in explosives." -- Admiral William Leahy, U.S. Atomic Energy Project, 1945

¹ <http://www.keelynet.com/shoulders/>

Trinity – Test of First Atomic Bomb

Trinity was the code name of the first test of a prototype atomic bomb. The genius designers of the bomb couldn't really be certain what was about to happen. Will it fizzle? Will it start a worldwide chain reaction? (Debunked by no less than Albert Einstein.) It was a uniquely spooky situation for them. All they had to guide them was mathematics and physics.

They did make bets on the bomb's explosive power. The highest any of them dared guess was 18,000 tons of TNT. On July 16, 1945, amidst the pre-dawn darkness of a remote New Mexico desert, the bomb exploded with a force of 20,000 tons of TNT and the light of a 'thousand suns'.

Nine nations now possess a total of 17,300 nuclear warheads.



A ring of plutonium used in an atomic bomb core.

Where appropriate install or tape to a wall the following page:

Metaphor for the Emergence Of Clean Energy Inventions

Hydraulic engineer and artist Carlos Aliaga Uria lives in Cochabamba, Bolivia with his wife Anna Hosbein. See their company's website www.ahabolivia.com. They contract with native Bolivians to ethically manufacture exquisitely artistic handicrafts and wholesale them in Europe and the USA.

Carlos has suggested this photograph as a metaphor for the emergence of clean energy inventions from humankind's black hole of ignorance and greed:

