

## THE BEST PRESIDENT FOR THE UNITED STATES

A well-known European news agency yesterday published from Sydney, Australia that a group of Australian researchers at the University of New South Wales announced the creation of an electrical cable ten thousand times thinner than a strand of hair, capable of carrying as much electricity as a traditional copper cable.

...Bent Weber, lead author of a study published in Science magazine at the University of New South Wales, in Sydney, Australia explained that "Interconnecting wiring of this scale will be vital for the development of future atomic-scale electronic circuits".

"The wires were made by precisely placing chains of phosphorus atoms within a silicon crystal, according to the study, which includes researchers from the University of Melbourne and Purdue University in the US."

The discovery is essential in the international race to develop the first 'quantum computer', super-fast machines capable of processing enormous amounts of information in just a few seconds: a series of calculations that would take years, or even decades, for today's computers.

"In a traditional copper cable, the electricity is generated when the copper electrons flow along a conductor: but as the cable or conductor becomes smaller, resistance to the electrical flow becomes greater."

In order to solve this problem, Weber and his team used specially designed microscopes with atomic precision that allowed them to place the phosphorus atoms into the silicone crystals.

"This allowed the nanocable to act as the copper, with the electrons flowing easily and with no resistance problems. They are trying to prove that with this technique it is possible to minimize components down to the scale of a few atoms.

If we are going to use atoms as bits, we need cables on the same scale as the atoms — observed the supervisor of the group physicist, Micelle Simmons."

With these unstoppable technological advances that ought to be for the well-being of humankind, I was recalling that just four days ago I wrote about the warming of the Earth and the accelerated exploitation of shale gas in a world that in two hundred years is consuming the fossil energy accumulated for 4 billion years.

Imagine Obama, that wordsmith, for whom, in his desperate search for re-election, the dreams of Martin Luther King Jr. are light years further away than the Earth is from the nearest inhabitable planet.

Worse yet: any of the Republican Congressmen who are presidential hopefuls, or any leader of the Tea Party carries more nuclear weapons on their backs than ideas of peace in their heads.

Let the readers imagine for one moment that powerful quantum calculator capable of multiplying an infinite number of times the data that today is collected by modern computers.

Is it not perhaps obvious that the worst thing of all this is the absence in the White House of a robot capable of governing the United States and preventing a war that would put an end to the life of our species?

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I am certain that 90 percent of registered Americans, especially Hispanics, Afro-Americans and the growing numbers of the impoverished middle class would vote for the robot.

**Fidel Castro Ruz**

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