

THE REVOLUTION IS ON THE HORIZON

EXCERPTS BY EUGENE MALLOVE & SAM STEIGER

EXCERPTS MERGED FROM TWO DIFFERENT ARTICLES AND
REWRITTEN BY ZPOWER

The introduction and implementation of new, revolutionary energy sources will change the course of man everywhere on the planet. This power source will rank with fire, the wheel, and the internal combustion engine as a shaper of man's destiny.

The possibilities are extraordinary. Every industry on earth will change, and eventually every person on earth will be affected.

There will be no more air pollution from internal combustion engines. Many urban areas will be given a new lease on their environmental lives because these energy sources are absolutely non-polluting. The air will be clean again, because most air pollution comes from burning fossil fuel. Oil business will be relegated to the supply needed to manufacture plastics, lubricants, and hydraulic fluid.

There will be no more nuclear power sources needed for submarine or electrical generation, and a huge hazardous waste disposal dilemma will become manageable. The utility business as we know it will become obsolete as rapidly as energy consumers, both residential and commercial, can acquire the new generators.

Every industry uses energy. Nearly every product uses energy. When products are redesigned to take advantage of the new features and freedom this energy source will provide, many will be revolutionized and improved tremendously.

Air travel will be revolutionized because its new lower cost fares. No fuel costs will be added to other airline fees. Our aircraft will fly at full speed...no more "cruising speed" to preserve fuel. High speed trains will not be driven by diesel but by the new power source, and will ride on a magnetic field instead of directly on the track; comfort, speed and economy will be the result.

At last we will have practical portable computers. Agriculture will be revolutionized. Large scale distillation of ocean water may allow the deserts to bloom. Dazzling new products we cannot even imagine will suddenly appear.

It will be many years before products take full advantage of new energy. It will take prodigious amounts of work and investment capital. The capital will come from consumers. They will be delighted to pay less for new energy automobiles than gasoline powered models, especially when the new energy autos will be more reliable, more powerful, and will never require fuel. You will be happy to spend less money than the

Ere many generations pass, our machinery will be driven by a power obtainable at any point in the universe. This idea is not novel... We find it in the delightful myth of Antheus, who derives power from the earth; we find it among the subtle speculations of one of your splendid mathematicians... Throughout space there is energy. Is this energy static or kinetic? If static our hopes are in vain; if kinetic - and this we know it is, for certain - then it is a mere question of time when men will succeed in attaching their machinery to the very wheelwork of nature.

NIKOLA TESLA,
ADDRESSING THE
AMERICAN INSTITUTE
OF ELECTRICAL
ENGINEERS, 1891

cost of an air conditioner for a home power system that saves you \$150 or much more per month in gas and electricity.

The gradual changeover to new energy sources will not cost the consumer, because all equipment typically wears out after 20 or 30 years. Most people will put off buying a new energy car until their old gasoline car wears out or until the last gas station in the neighborhood goes out of business.

Countries where the generator is manufactured will be able to shift their imbalance of trade, since new energy will be a technology the world will have to have to stay competitive.

As the oil industries and the utility businesses fade away, new industries will take their place. In the short run, 20 years or so, the retro-fit business, converting internal combustion engine driven cars to the new energy source, converting homes and businesses to magnetic generators, these demands will develop hundreds of thousands of new jobs.

This changeover will be the biggest technological mega-project in history. It will happen spontaneously, everywhere; without planning, without direction. It will be like the microcomputer explosion. Dozens of companies will sprout up, dozens of old ones will die off. Companies that sell energy conservation equipment will disappear, while new companies will blossom by selling things like flashlights that stay on for decades, welding equipment you do not have to plug in, and scuba diving equipment that never runs out of air because it extracts oxygen from water. Ideas, gadgets, and innovation will come from every direction, in a madcap free-for-all. It will be capitalism at its best.

There never has been a more exciting look at the future than now. The energy revolution will become reality and all mankind will benefit.

**...I seem to have
been only like a boy
playing on the
seashore, and
diverting myself in
now and then finding
a smoother pebble
or a prettier shell
than ordinary, whilst
the great ocean of
truth lay all
undiscovered before
me.**

ISAAC NEWTON