

THE GIFTS OF ISRAEL

By Joe King

Conquering cancer, enabling the blind to see and the crippled to walk, ending the scourge of diabetes – these are only some of the extraordinary contributions to human progress being provided by Israel – despite the fact that it is surrounded by extremist nations endlessly bent on its destruction.

The people of Israel, less than 1/10 of 1% of humanity, provide the world with extraordinary achievements – in science, medicine, technology and agriculture.

The Gifts of Israel are of immense importance to every person on earth. Remarkable progress has been achieved, in six decades of modern existence, despite the endless hostility of its Arab neighbours.

Israel has the highest ratio of university degrees to its population in the world.

Israel produces more scientific papers, per capita, than any other nation.

Israel, the only liberal democracy in the Middle East, has the highest average living standards in the region.

Twenty-four percent of Israel's work-force hold university degrees – third in the world (after the United States and Holland). Twelve percent have earned advanced degrees!



Carmel—vast forests in a restored land

Modern Israel has rolled back the swamps and deserts of a once-neglected land. Israel is one of only two countries in the world that entered the 21st century with a net gain in its number of trees! The other country is the United States. Before the Jews began returning to their homeland, much of what is now Israel was desert or swamp.

The world of medicine is increasingly benefiting from Israeli research and inventiveness. One of the most dramatic examples of Israeli world-wide prominence in medical research came with the selection of the country's researchers and doctors to find a cure for diabetes. The American pharmaceutical giant, Pfizer, is funding D-Cure – an intensive Israeli high-tech and biotechnological program to find a cure for diabetes. D-Cure is, furthermore, an effort to change the way doctors and scientists approach research. The program harnesses the skills of researchers from leading Israeli medical centres in a collaborative effort to find a cure for the disease. Pfizer launched the effort with a gift of \$1.5 billion.



Working on the D-Cure

Scientists at Tel Aviv University and Sheba Medical Center have identified a substance that can kill cancerous cells without harming healthy ones. The head of the research team, Professor Malka Cohen-Armon, stated: “we actually found the Achilles heel of the cancer cell.” The discovery will lead to development of new pharmaceutical weapons to fight the dreaded disease.

Israel's Givun imaging developed the first ingestible video camera, small enough to be fitted into a pill! The camera helps doctors diagnose cancer and digestive disorders.

Scientists at Ben Gurion University have developed “nano-missiles” to target disease. Tiny cell-sized pouches deliver medication to target organs without side effects.

Israel’s Cellcom and a company called Speechview have developed a program to help deaf people use a cell phone!

Israel’s Teva Chemicals developed Copaxone – one of the most efficient medicines for treating Multiple Sclerosis.

An Israeli firm, using an implanted chip, has shown they can provide a measure of vision to those who have lost their ability to see. They can watch television!



The NIR Stent—helped President Clinton and Prince Philip

When U.S. President Bill Clinton was hospitalized with heart problems, he received the NIR stent – an Israeli-developed device for opening arteries and reducing the need for coronary bypass surgery. Prince Philip, similarly troubled, was also fitted with a stent.

Argo Medical Technologies has developed the “ReWalk”, which will allow paralyzed people to stand and even walk, with the help of their computerized leg supports. One of the first people to try out the new invention was Radi Kaiof, a former IDF soldier who had been restricted to a wheelchair for 20 years.



The Re-Walk—enabling the crippled to walk again!

Israel is one of the most prominent contributors to expanding use of high technology. The first cell phone was developed by Motorola in Haifa. Israel developed the first camera chip for cell phones – creating the camera phone. Israeli companies developed the SMS and Voice mail systems. The flash drive was invented in Israel in 1998 by Dov Moran (Terrorist Osama bin Laden used more than 100 flash drives to communicate with Al Qaeda cells – not knowing, of course, that they were invented by an Israeli. The firewall was invented in Israel.

Israel is described as the “Silicon Valley of the Mediterranean”. Every major telephone company in China uses Israeli telecom equipment and software.

Two professors at Tel Aviv University – Eshel Ben-Jacob and Itay Baruchi – created an organic memory chip. It could lead to computers being able to

think creatively. "Scientific American" chose this achievement as one of the top scientific discoveries of 2007.



The Scientific American hails Israeli creativity.

The Windows NT and XP operating systems were largely developed in Israel.

The technology for AOL instant messengers was the work of four young Israelis in 1996. They wanted a quick, simple way to talk to their friends. AOL bought the concept for \$407 million.

Network security technology, such as the firewall, was invented by Israelis.

Israelis invented the first PC anti-virus.

The Pentium MMX Chip technology was designed in Israel by Intel. Both the Pentium-4 microprocessor and the Centrino processor were entirely designed, developed and produced in Israel. Intel wireless computer chips were developed in Israel.

Israel is the first nation to develop a country-wide electric car network. The electric cars are built by Renault-Nissan, but the re-charging stations are designed by the Israeli firm, Better Place. Jerusalem will be the first city with a network of re-charging stations. Some 200 so-called "swap stations" are being set up across Israel. And other countries are buying the system! The electricity for the automobiles will be developed using solar technology! The Jewish state

is about the size of Wales so it is ideal for a nation-wide system of serving battery-powered vehicles.



Better Place—“refueling” electric cars.

“Without Israeli technology, the West will not develop. Many organizations throughout the world, including the American national infrastructure, will not survive for long without constant support from the revolutionary technology coming from Israel.”

The Giga Information Group

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