

Title: Living Through Four Revolutions

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URL: <http://pirsa.org/11060094>

Abstract: <span>I belong to the lucky generation who survived World War Two and unexpectedly found ourselves alive and young at the dawn of four simultaneous revolutions. We were present at the creation of four new technologies that were to continue transforming the world for the following sixty-five years. First revolution, Space, beginning with the first spacecraft, the V2 rocket, which came crashing down on our heads in London in the last year of the war. Second revolution, Nuclear Energy, beginning with the tragedies of Hiroshima and Nagasaki. Third revolution, Genomes, beginning with the experiment of Oswald Avery in 1944 which proved that the molecule DNA was the carrier of genetic information. Fourth revolution, Computers, beginning with the first electronic computer ENIAC which started operation in 1946. All four revolutions burst out within two years and gave us our chance to play small roles in big events. They gave drama and excitement to our lives.</span>

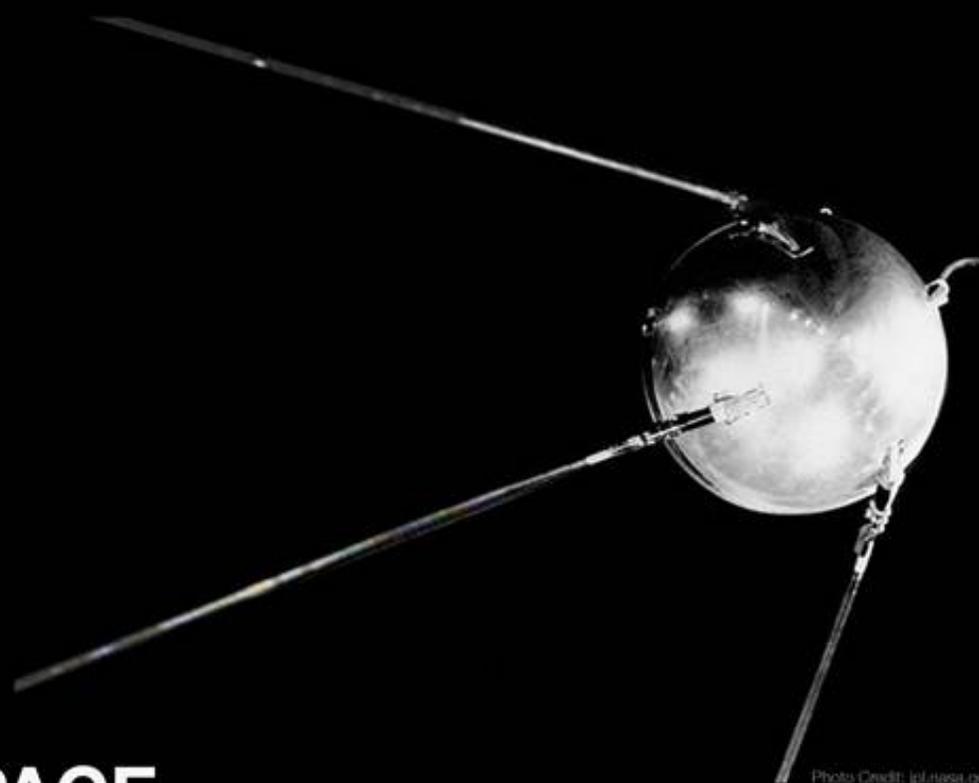


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# 01 SPACE



Photo Credit: NASA/JPL

Carl Sagan



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Arthur Clarke

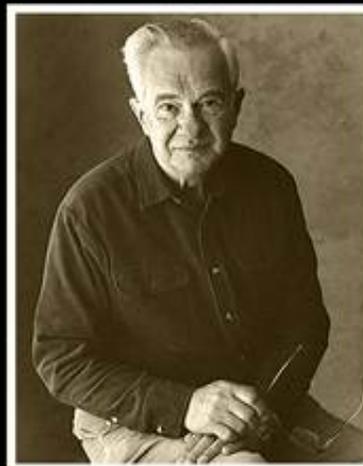


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Wernher von Braun



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## 02 NUCLEAR ENERGY

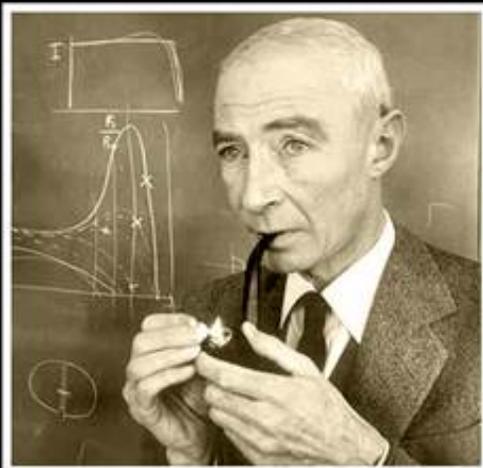


Photo Credit: slgate.com

Robert Oppenheimer



Photo Credit: Grig L.

Edward Teller



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Enrico Fermi



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Hans Bethe

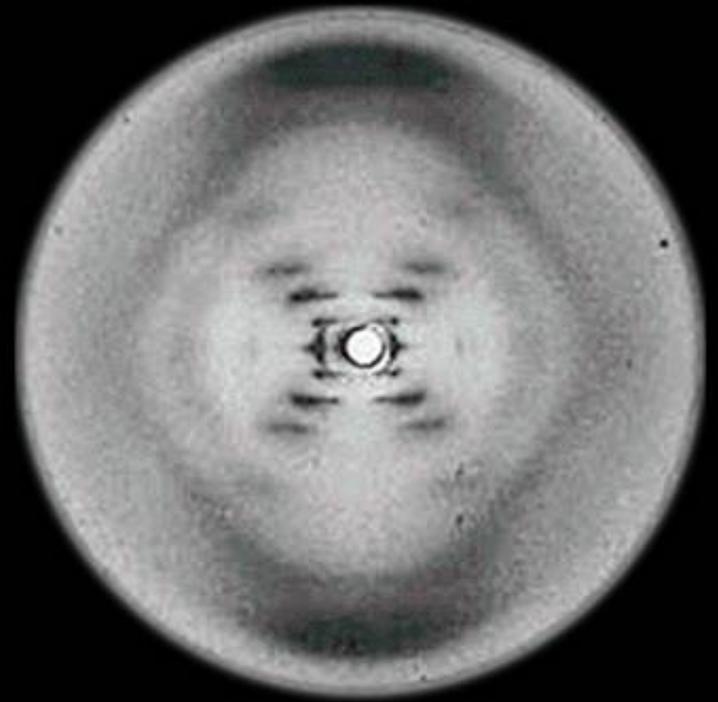


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## 03 GENOME



Photo Credit: Rockefeller Archive Center

Oswald T. Avery

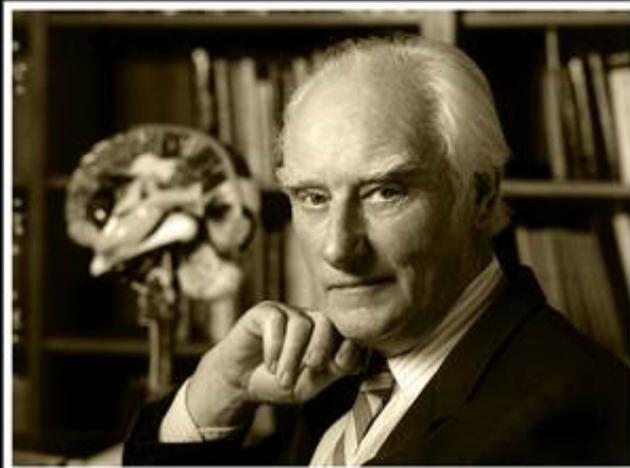


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Francis Crick

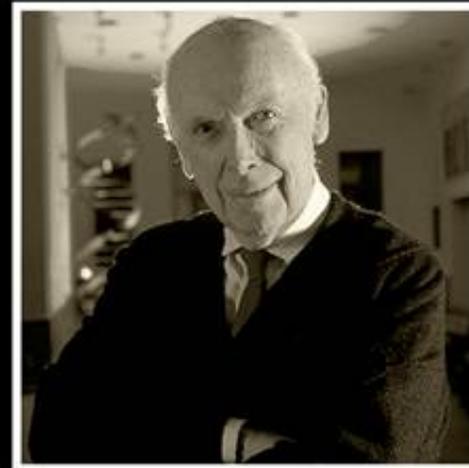


Photo Credit: National Institutes of Health

Jim Watson

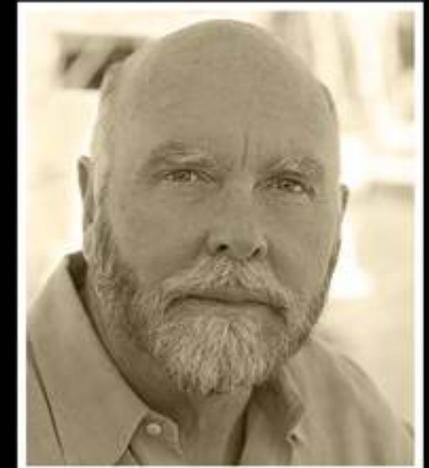


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Craig Venter

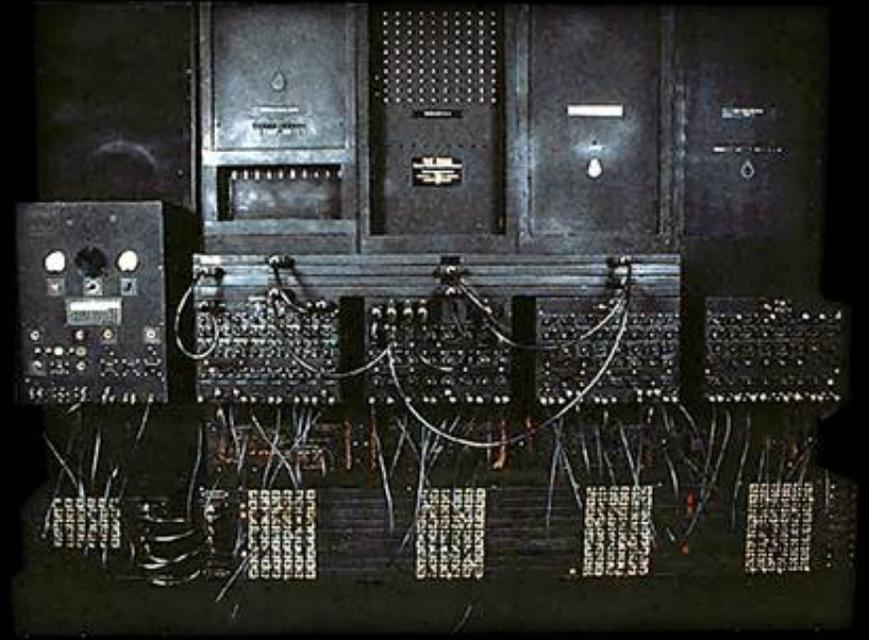


Photo Credit: tekoaphoto.org

## 04 COMPUTERS



Photo Credit: LANL

John von Neumann



Photo Credit: Unknown

Alan Turing

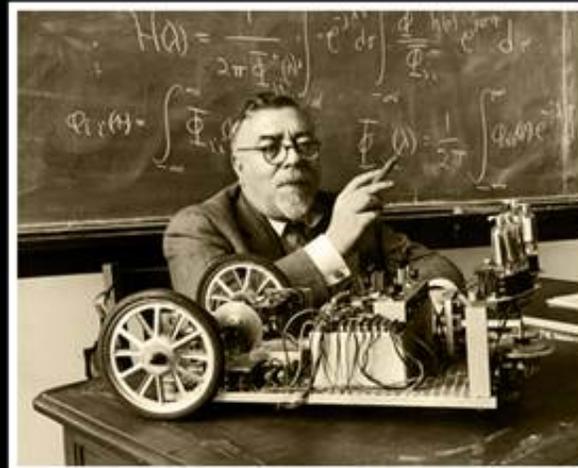


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Julian Bigelow

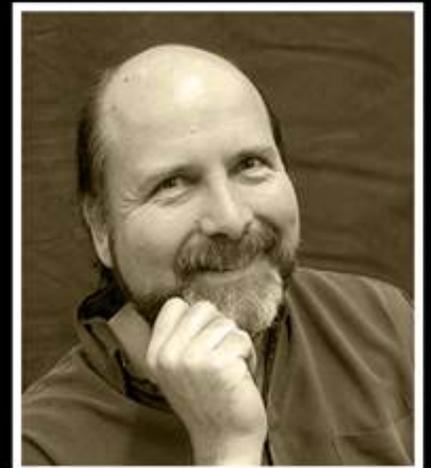


Photo Credit: images.businessweek.com

Danny Hillis